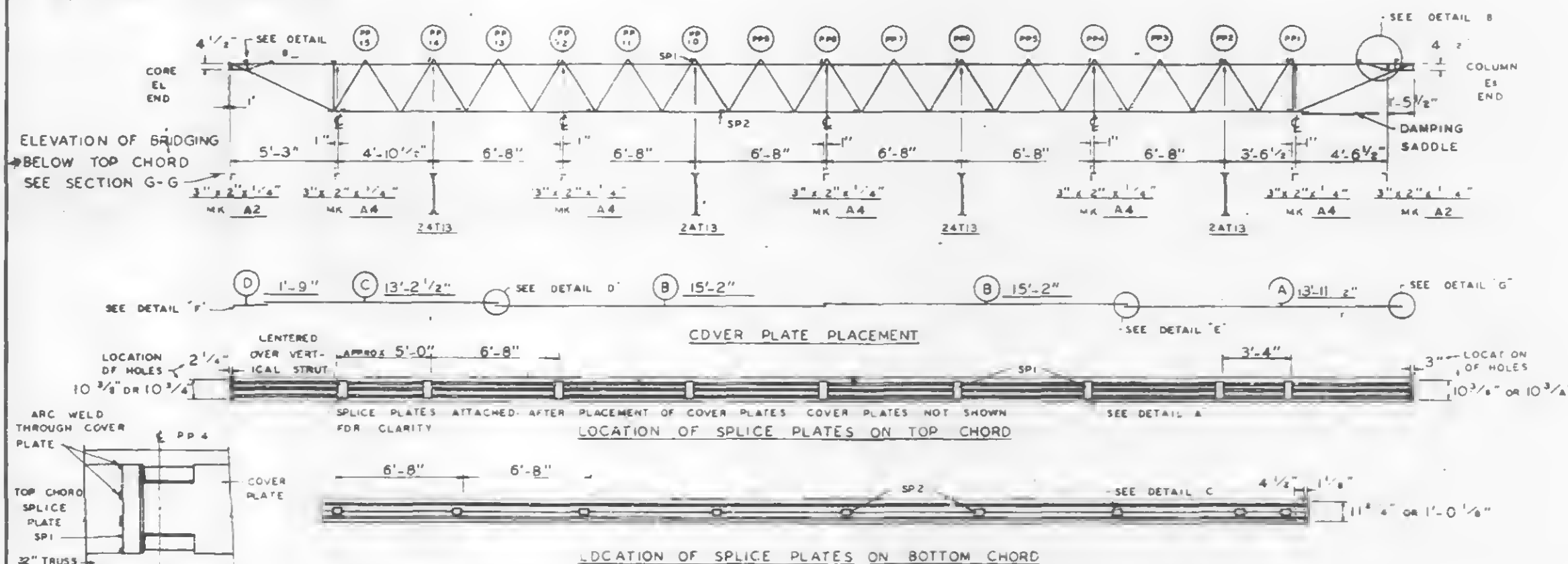
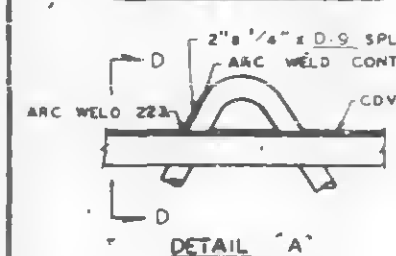


PANEL NO. B1A, SIZE 13'-4" x 59'-9"

CL & DIMENSION MC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES



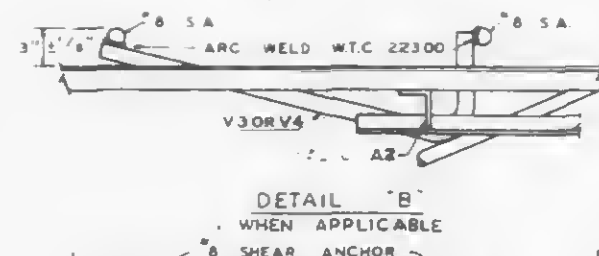
TOP VIEW - DETAIL A



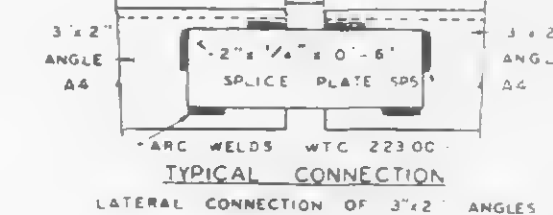
SECTION D-D

DETAIL D

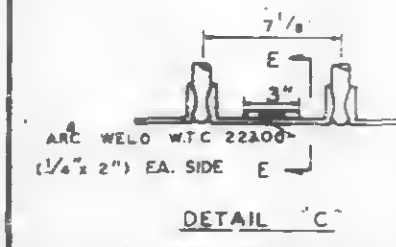
DETAIL E



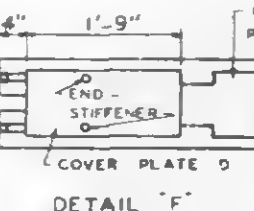
DETAIL B1



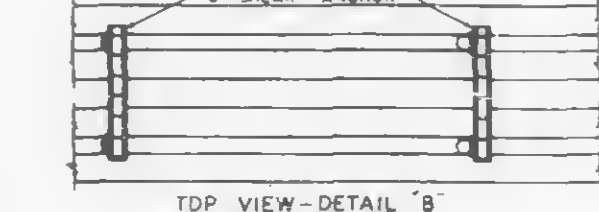
LATERAL CONNECTION OF 3'-2" ANGLES



SECTION E-E

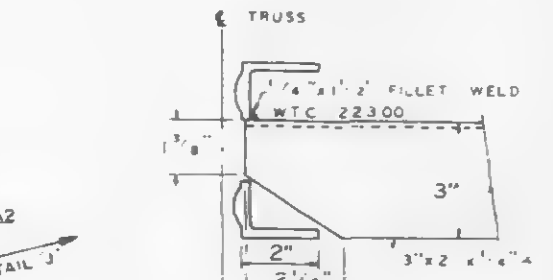


DETAIL F



TOP VIEW - DETAIL B

SECTION A-A

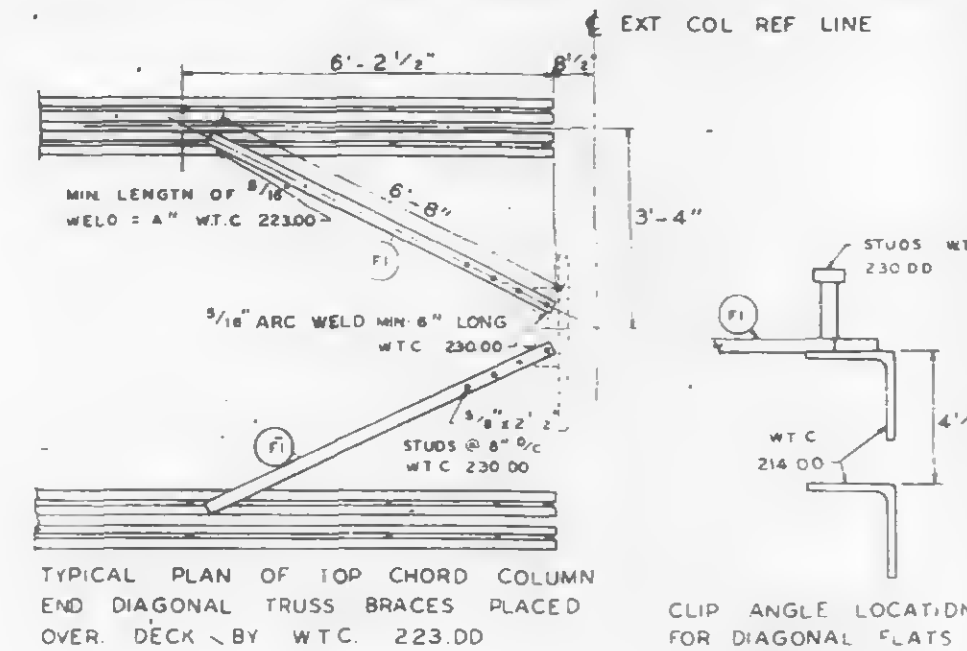


END SUPPORT ANGLE ATTACHMENT

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FILLET WELDS

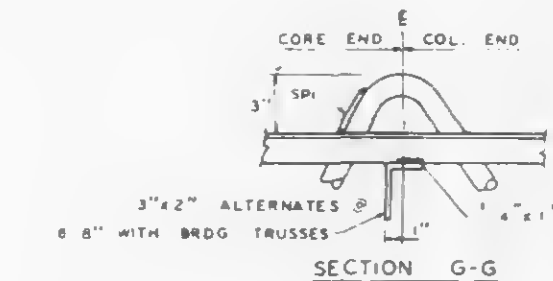
A = 1/4" B = 1/4"

FIELD PUNCH COVER PLATES OVER END STIFFENERS WTC 22300



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY WTC 22300

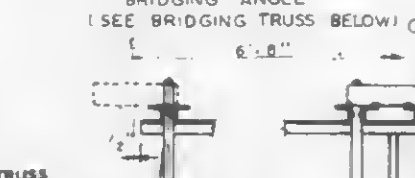
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4'-1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING



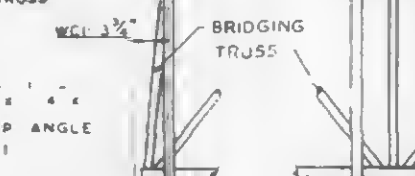
SECTION G-G



SECTION F-F



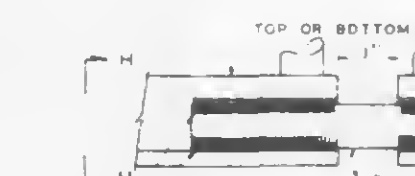
SECTION C-C



SECTION B-B



SECTION H-H

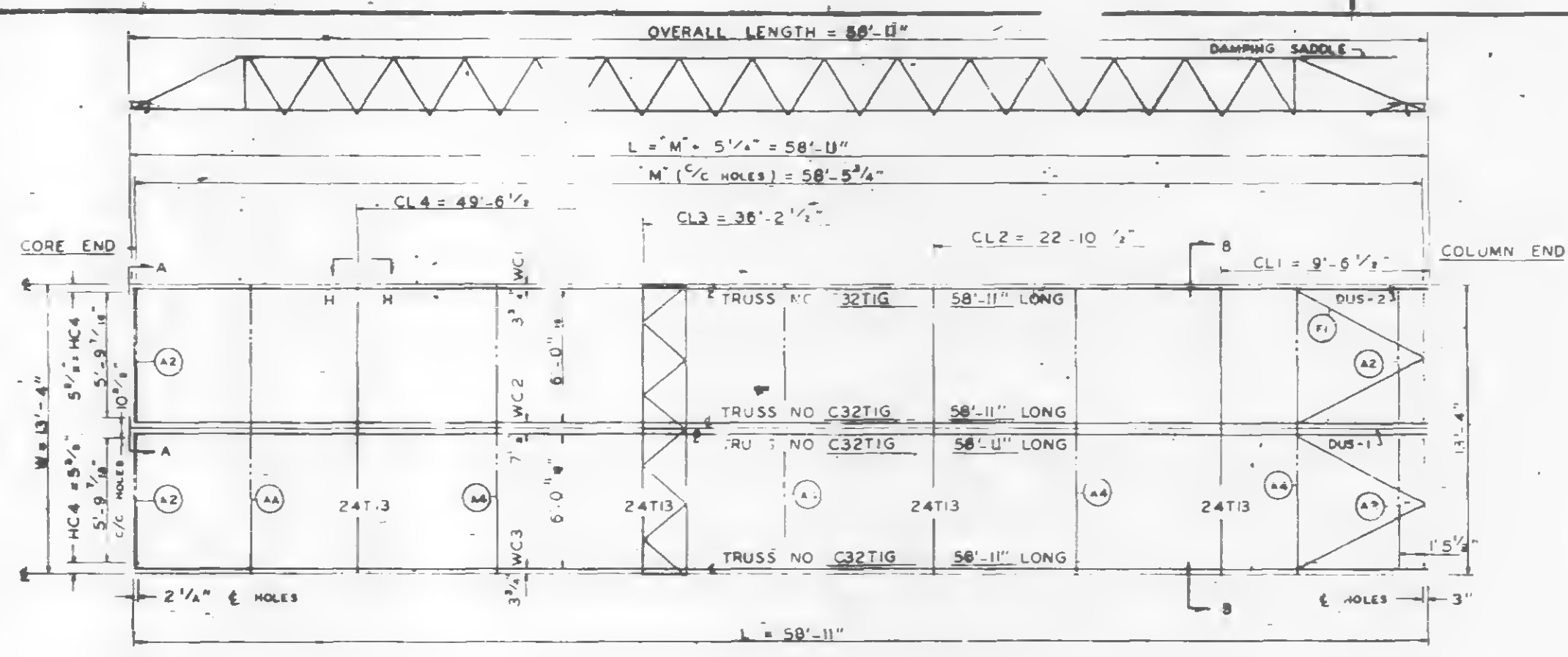


DETAIL H

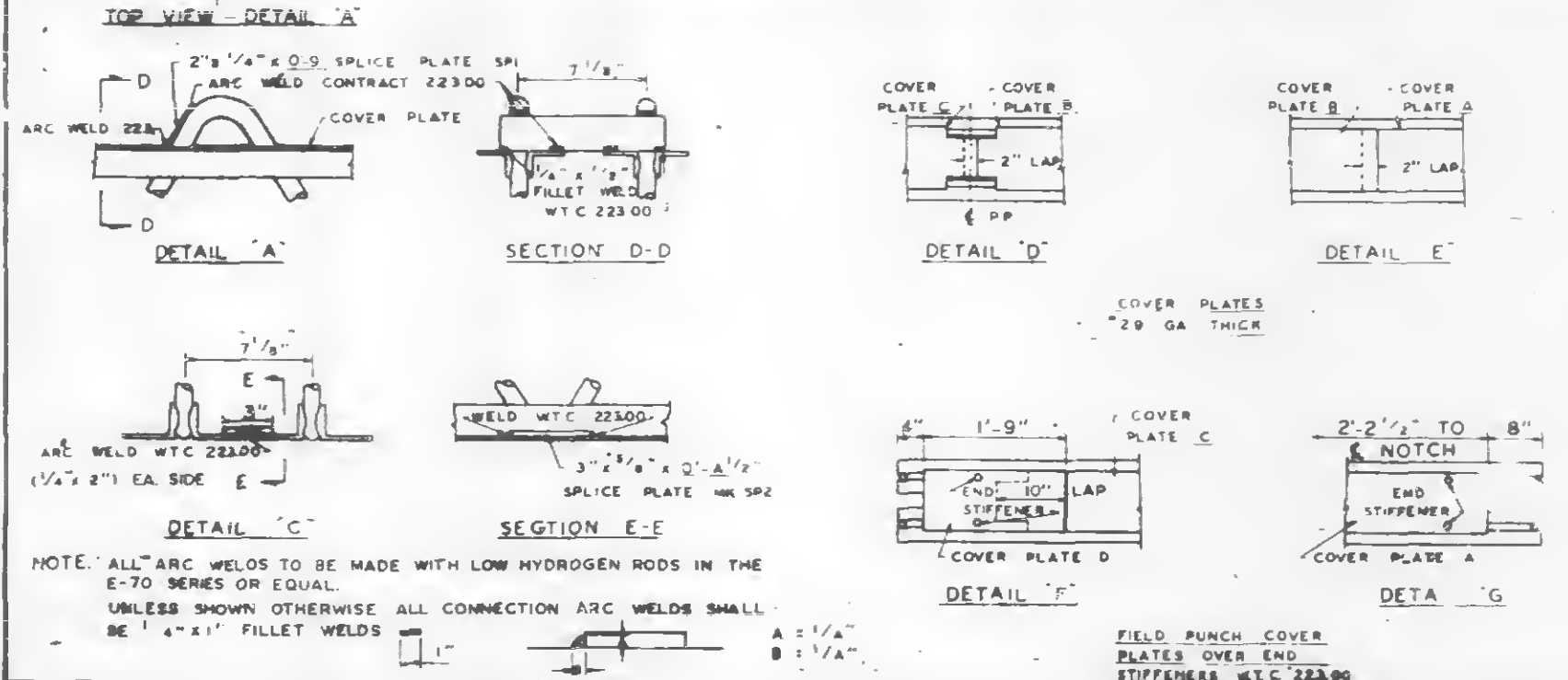
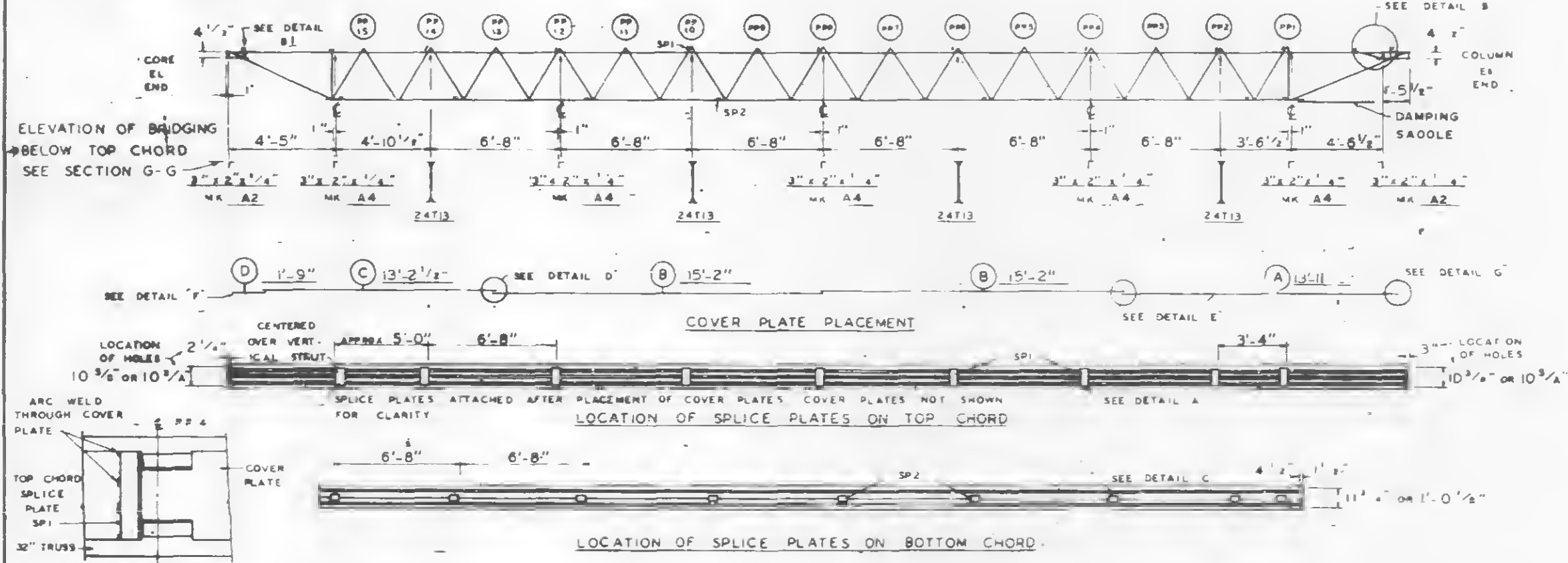
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 12-24, 26-38 (NORTH & SOUTH); 49-58, 60-65, 69 69 (NORTH) PANEL B1A - 13'-4" x 59'-9"

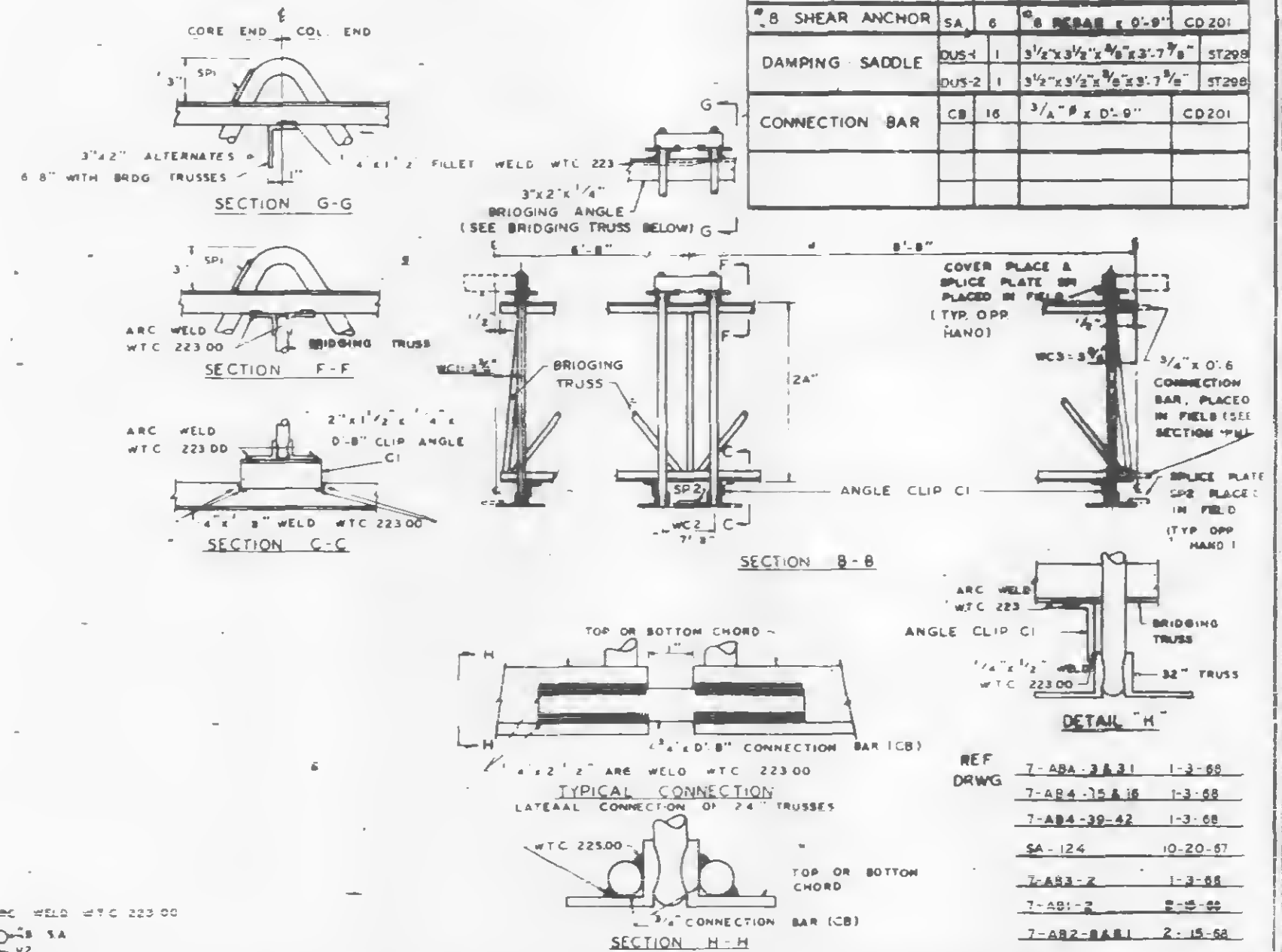
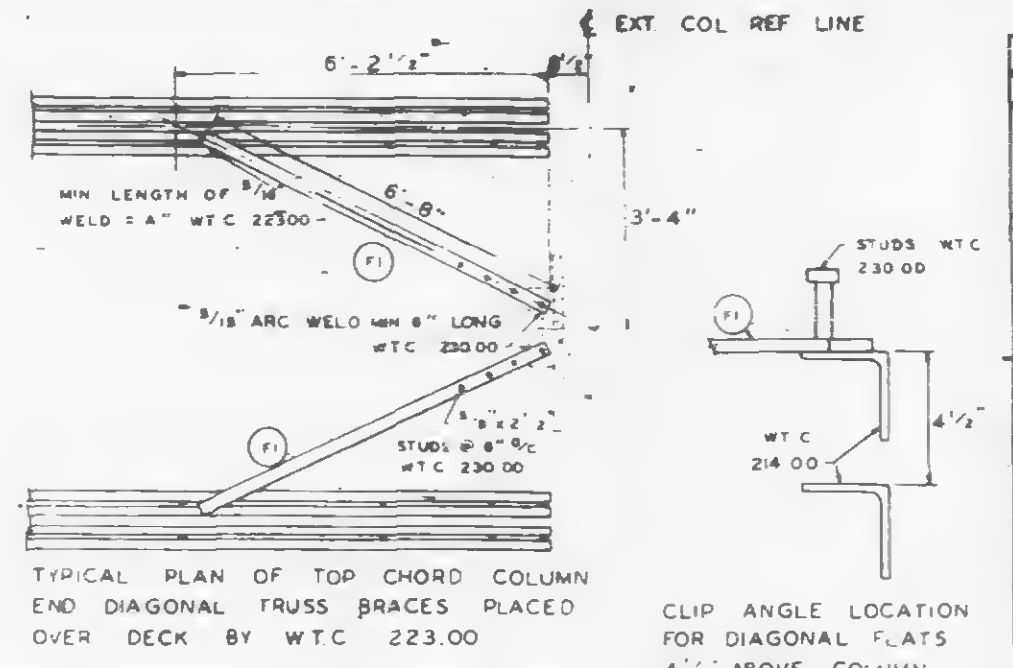
FABRICATED BY LACED STEEL COMPANY		DESIGN DRAWING 7-AB3-5 2-15-88 PLATE	
FABRICATED AT MADISON, ILLINOIS	DATE	DRAWN BY	DATE
APPROVED FOR FABRICATION	DATE	CHECKED BY J.B. BARR	DATE
APPROVED FOR FABRICATION	DATE	FABRICATION CONT. NO.	W.T.C. 221
DETAILED BY A.C. VINT	DATE	DRYER NO.	EP B1A



CL & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE CL ON THE COLUMN CLIPS & BRACES.

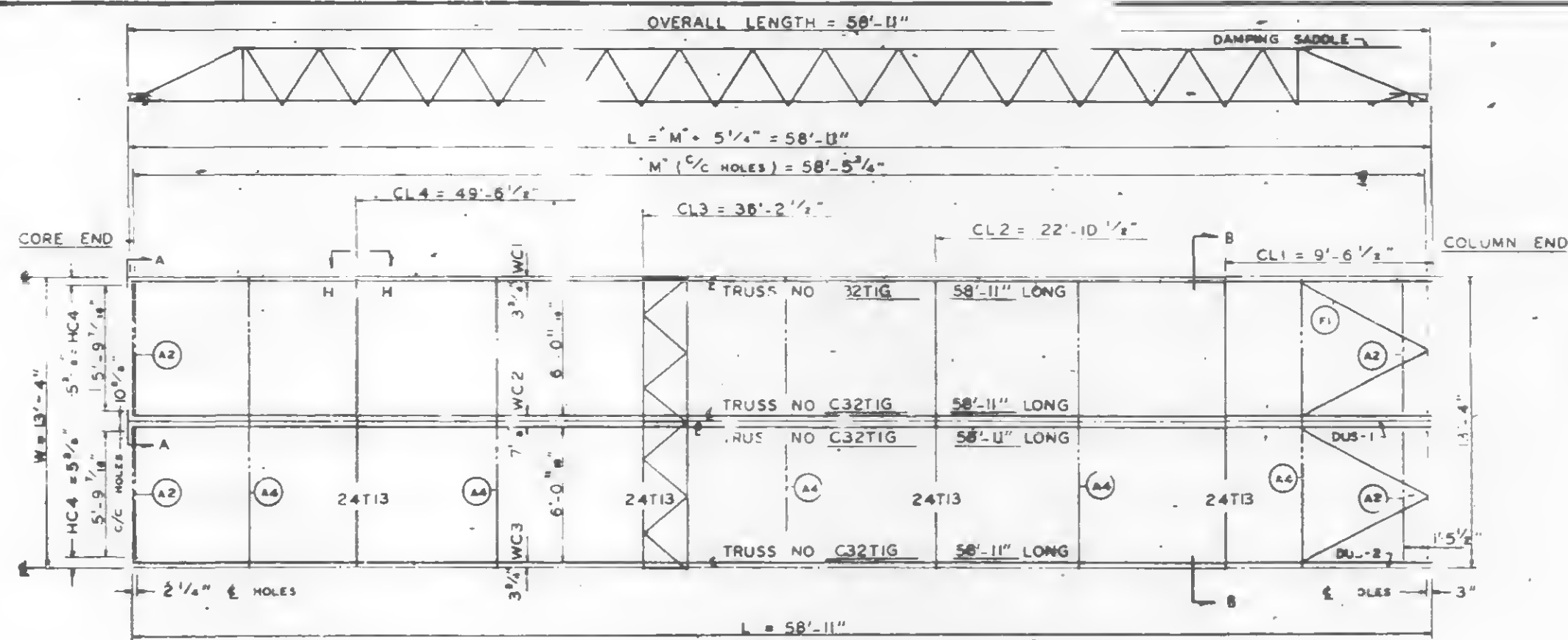


NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL UNLESS SHOWN OTHERWISE. ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1/4" FILLET WELDS.



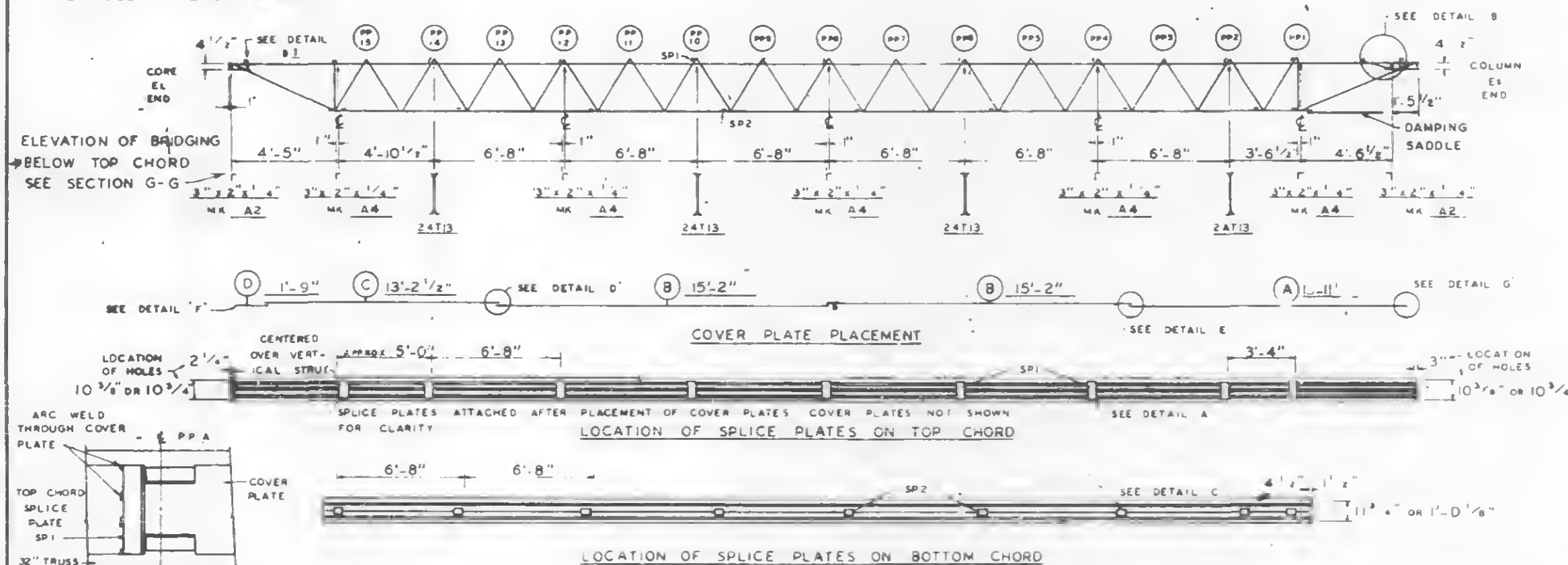
REQUIRED MATERIAL	QTY	UNIT	NOTE
FLOOR TRUSSES	4	C32TIG - 58'-11"	ST201G
BRIDGING TRUSSES	119	13'-4" x 58'-11"	T211
3"x2 1/4" ANGLE	A4	3"x2 1/4" x 13'-4"	ST400
DIAGONAL FLATS	F1	1/2"x1/4"x6'-0"	ST400
SPLICE PLATE	SP2	3"x1/4"x6'-0"	CD201
	SP5	2"x1/4"x6'-0"	CD201
COVER PLATES	A	9"x1/4"x13'-4"	ST303
	B	9"x1/4"x13'-4"	ST303
	C	9"x1/4"x13'-4"	ST303
	D	9"x1/4"x13'-4"	ST303
ANGLE CLIPS	C1	3"x2 1/4"x6'-0"	CD201
8" SHEAR ANCHOR	SA	8" x 8" x 0'-0"	CD201
DAMPING SADDLE	DUS-1	3/4"x3/4"x6'-0"	ST208
	DUS-2	3/4"x3/4"x6'-0"	ST208
CONNECTION BAR	CB	3/4"x6'-0"	CD201

FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY			
BLDG. A FLOORS 10, 11 & 39 (NORTH) 39 & 40 (SOUTH)			
PANEL BRIG - 13'-4" x 58'-11"			
FABRICATION BY LACLED STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-5	DATE FEB 24, 1988	PLATE
APPROVED FOR FABRICATION BY [Signature]	DATE FEB 24, 1988	CHECKED BY J.R. PAUL	IN CHARGE OF PROD. DEV.
APPROVED FOR FABRICATION BY [Signature]	DATE FEB 24, 1988	FABRICATION CONT. NO. WTC - 221	SHEET NO. FP BRIG
DETAILED BY A.C. WEBER			

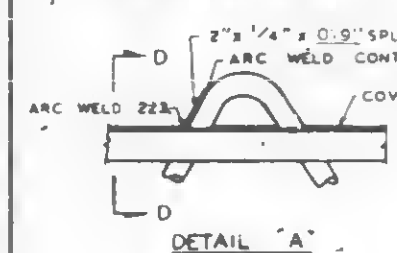


PANEL NO. BIG SIZE 13'-4" x 58'-11"

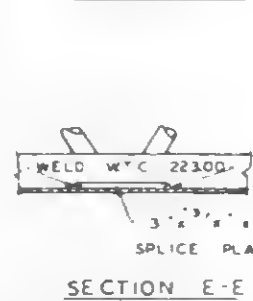
E & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE E ON THE COLUMN CLIPS & BRACES



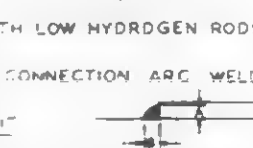
TOP VIEW - DETAIL A



SECTION D-D

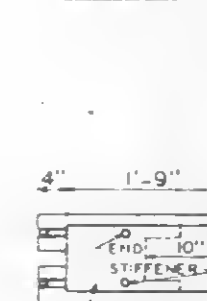


SECTION E-E



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL UNLESS SHOWN OTHERWISE. ALL CONNECTION ARC WELDS SHALL BE 1/4\"/>

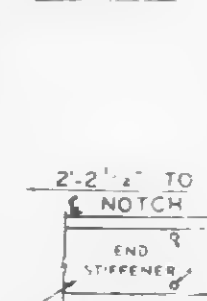
DETAIL D



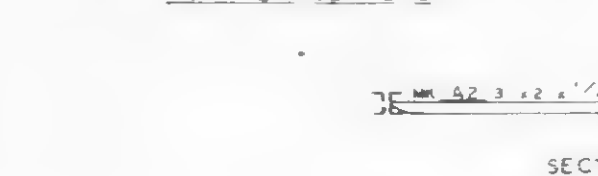
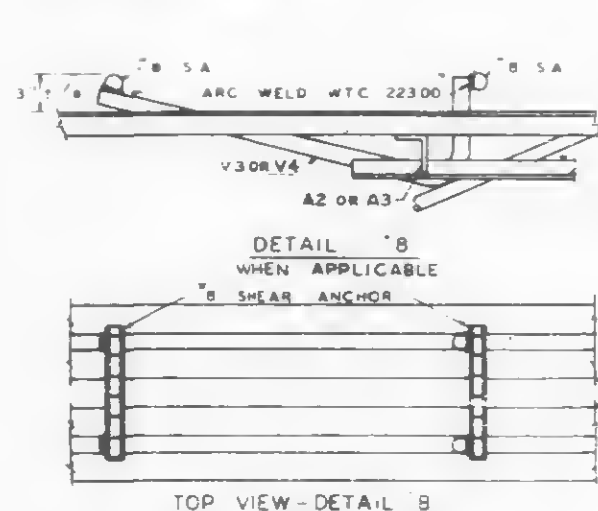
DETAIL E



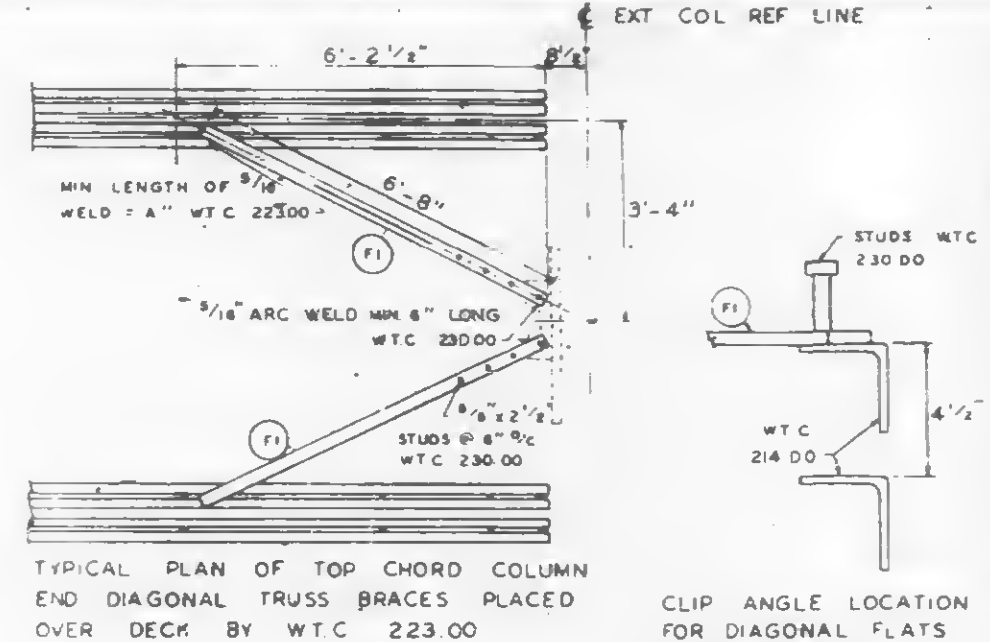
DETAIL F



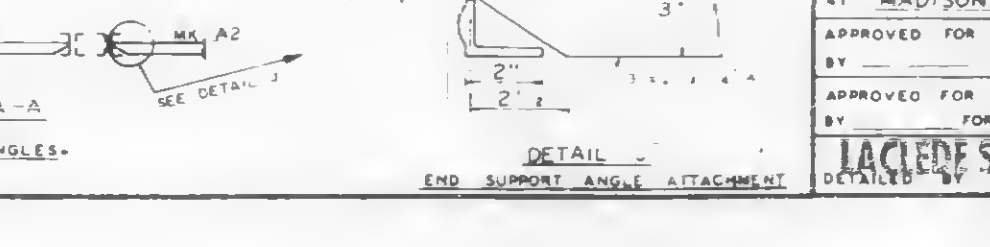
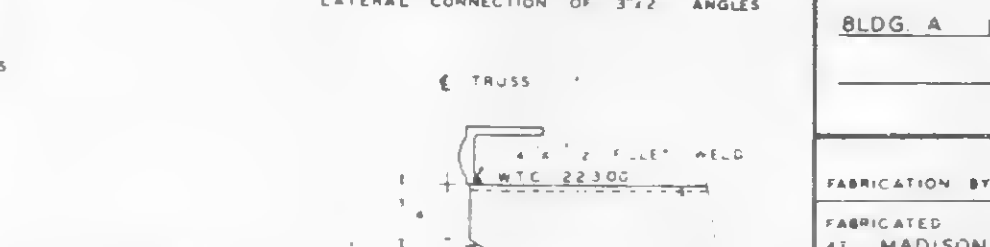
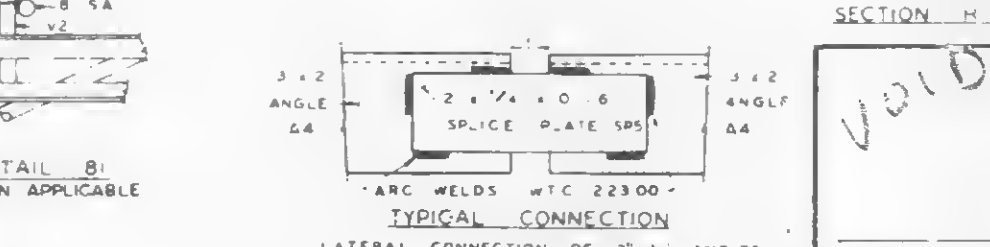
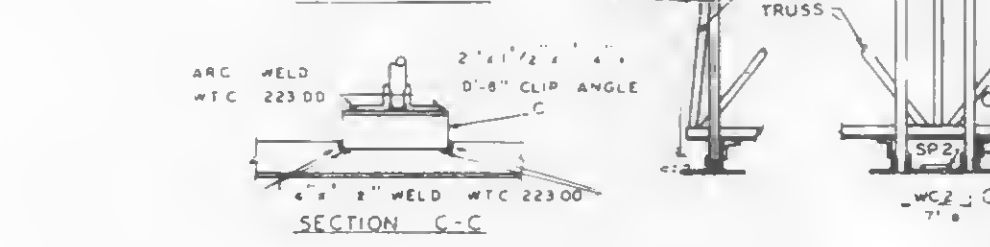
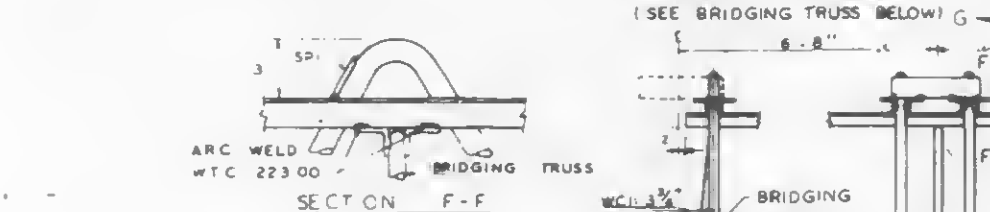
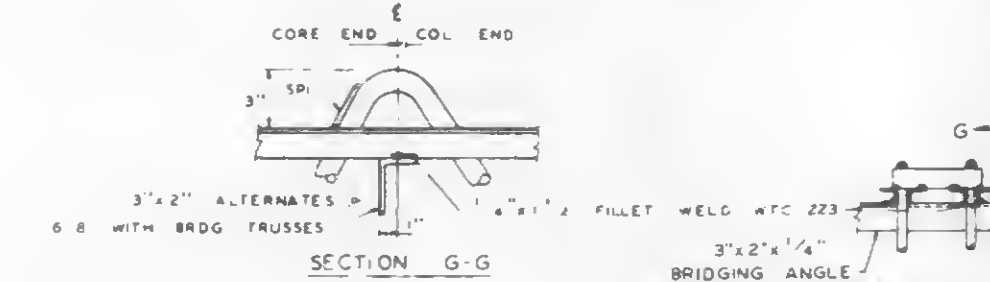
DETAIL G



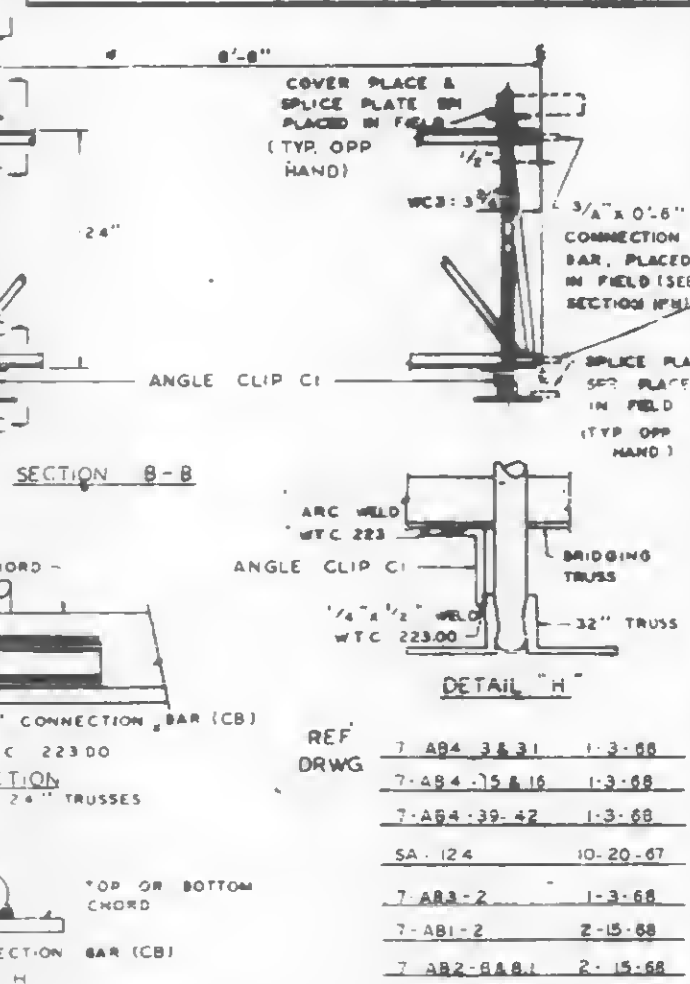
END SUPPORT ANGLES



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY WTC 223.00

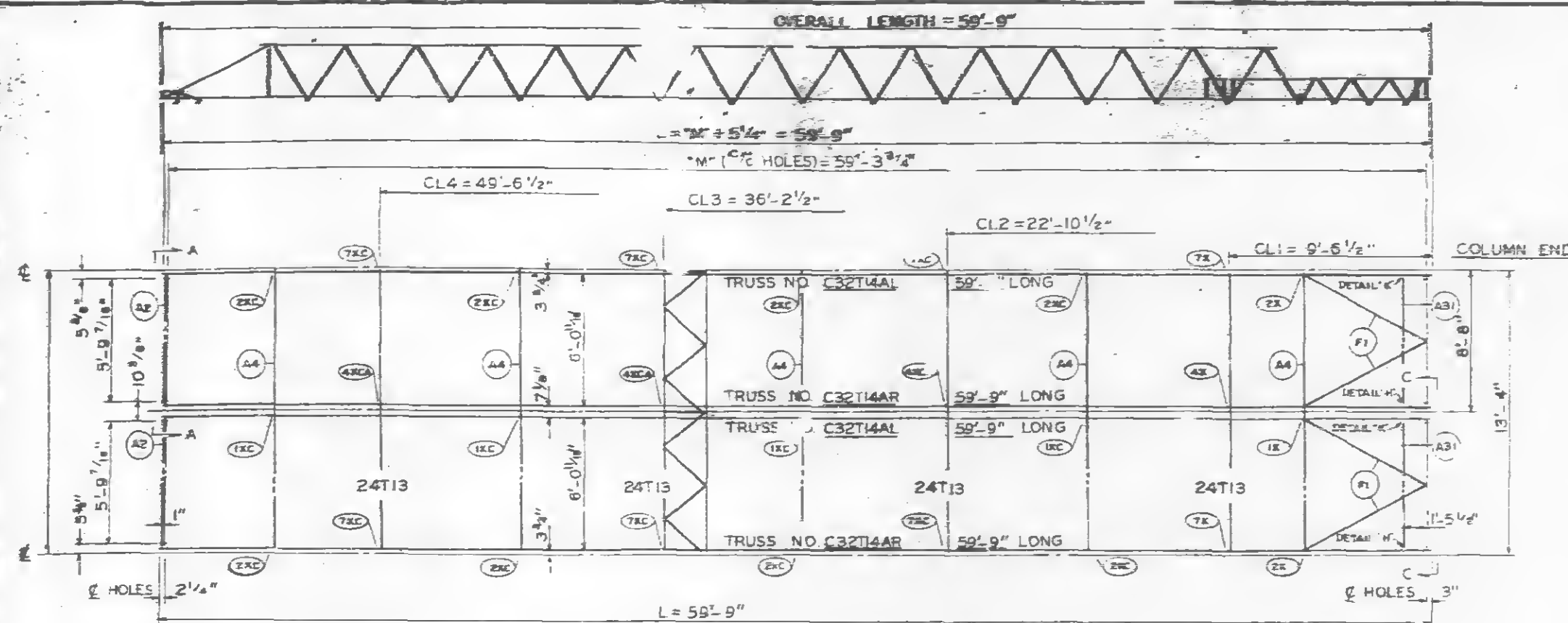


REQUIRED MATERIAL PER PANEL				
MATERIAL	QTY	PCS	WTC	NO.
FLOOR TRUSSES	TIG	4	C32TIG - 58'-11"	ST201G
BRIDGING TRUSSES	TIG	4	2' - 3' - 8' - 8"	BT211
3" x 2" x 1/4" ANGL	A4	5	3' x 2' x 1/4" x 13'-3"	ST400
DIAGONAL FLATS	F1	4	1/2" x 3/8" x 6'-8"	ST400
SPLICE PLATES	SP1	18	2' x 1/4" x 0'-9"	CD201
	SP2	18	3' x 3/8" x 0'-4 1/2"	CD201
	SP3	5	2' x 1/4" x 0'-8"	CD201
COVER PLATES	A	2	0' x 0.135" x 13'-11 1/2"	ST303
	B	4	0' x 0.135" x 13'-2"	ST303
	C	2	0' x 0.135" x 13'-2 1/2"	ST303
	D	2	0' x 0.135" x 1'-9"	ST303
ANGLE CLIPS	C1	18	3' x 2' x 1/4" x 0'-8"	CD201
8" SHEAR ANCHOR	SA	6	8" x 8" x 1/2" x 0'-9"	CD201
DAMPING SADDLE	DUS-1	1	3' x 3' x 1/2" x 0'-3' x 7' x 8"	ST298
	DUS-2	1	3' x 3' x 1/2" x 0'-3' x 7' x 8"	ST298
CONNECTION BAR	CB	18	3/4" x 0'-9"	CD201

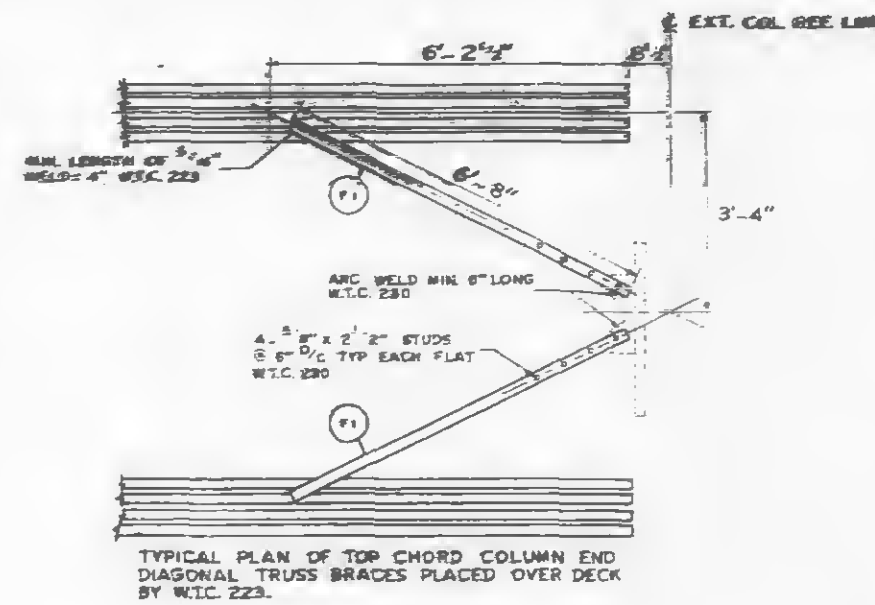
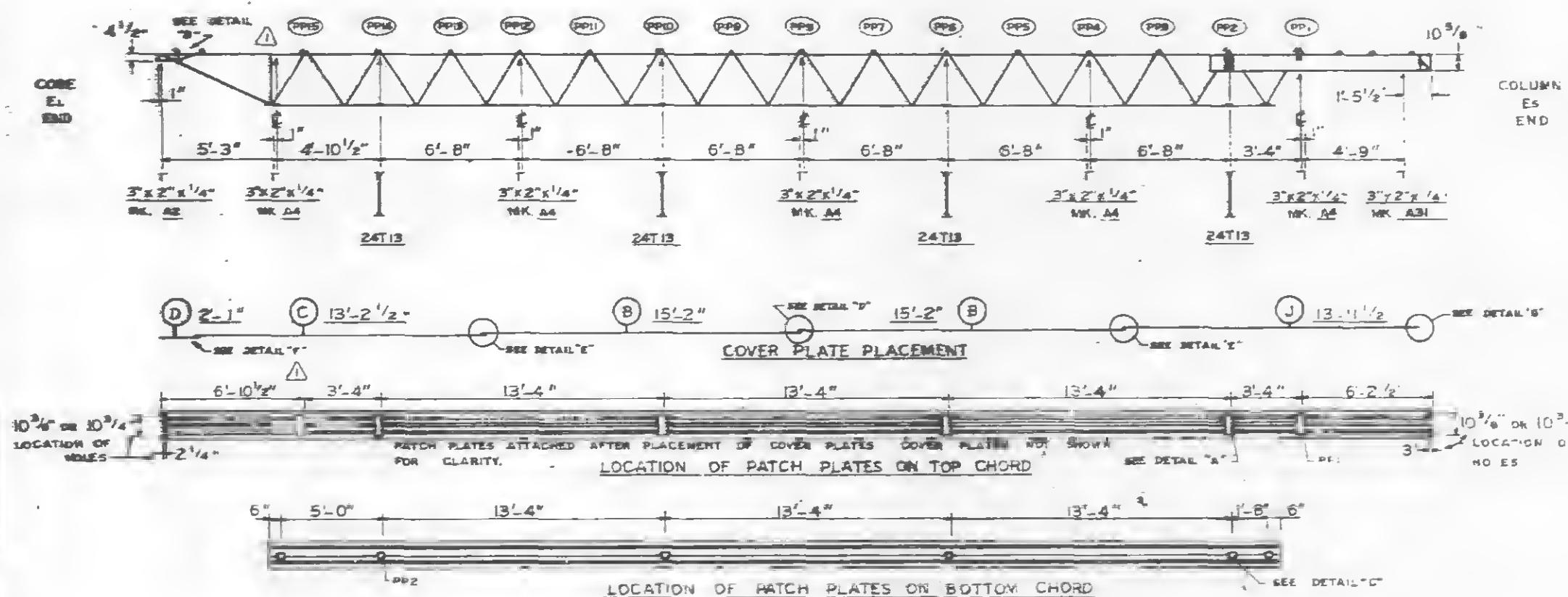


REF. DRWG. 7-894-3-31 1-3-68
7-894-15-16 1-3-68
7-894-39-42 1-3-68
SA-124 10-20-67
7-894-2 1-3-68
7-891-2 2-15-68
7-892-8-81 2-15-68

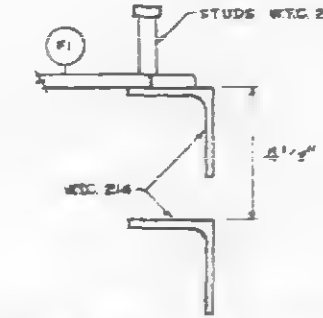
FLOOR PANEL DETAILS			
FOR			
WORLD TRADE CENTER - N.Y.C.			
FOR			
THE PORT OF NEW YORK AUTHORITY			
BLDG. A FLOORS 39 & 40 (NORTH & SOUTH)			
PANEL BIG - 13'-4" x 58'-11"			
FABRICATION BY LACLED STEEL COMPANY			
FABRICATED	41	MADISON, ILLINOIS	DESIGN DRAWING NO. 7-892-3
APPROVED FOR FABRICATION	DATE	FOR PONTA	DATE FEB 24, 1968
APPROVED FOR FABRICATION	DATE	CHECKED BY J.R. PAUL	IN CHARGE OF PROD. DEV.
APPROVED FOR FABRICATION	DATE	DATE FEB 24, 1968	
LACLED STEEL CO.		FABRICATION CONT. NO. WTC 221	SHEET NO. 221
DETAILED BY A.C. WELSH			FP BIG



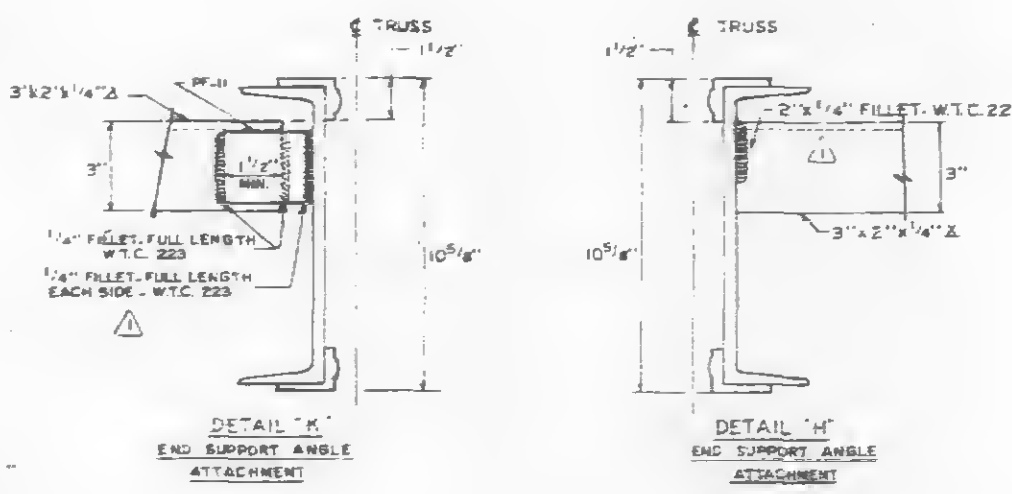
PANEL NO. B2A SIZE 13'-4" x 59'-9"



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.

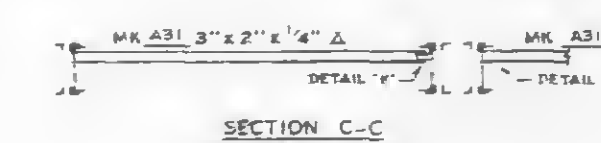


CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4' ABOVE COLUMN CLIPS FOR TRUSS BEARING.

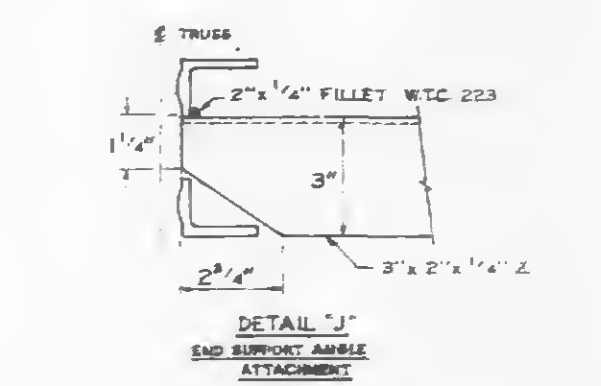


DETAIL 'K' END SUPPORT ANGLE ATTACHMENT

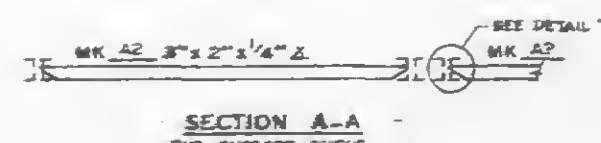
DETAIL 'H' END SUPPORT ANGLE ATTACHMENT



SECTION C-C END SUPPORT ANGLE



DETAIL 'J' END SUPPORT ANGLE ATTACHMENT



SECTION A-A END SUPPORT ANGLE

REQUIRED MATERIAL PER PANEL					REF.
MATERIAL	QTY.	SIZE	W.T.C.	ST.	
FLOOR TRUSSES					
TRUSS	2	C32T14A	59'-9"	ST 248	
BRIDGING TRUSSES					
TRUSS	4	24T13	3"	ST 213	
3" x 2" x 1/4" ANGLE					
AE	2	3" x 2" x 1/4"	55'-10 1/2"	ST 403	
AA	5	3" x 2" x 1/4"	3"	ST 403	
AB1	2	3" x 2" x 1/4"	8'-8"	ST 410	
CLOSURE PLATES					
PF11	2	3" x 1/4" x 0'-2 1/2"		ST 412	
DIAGONAL FLATS					
DF1	12	2" x 1/4" x 0'-7"		ST 400	
PATCH PLATE					
PP2	12	3" x 3/4" x 0'-8"		ST 400	
COVER PLATES					
B	4	9" x 0.015" x 15'-2"		ST 303	
C	2	9" x 0.015" x 15'-2"		ST 303	
D	2	9" x 0.015" x 15'-2"		ST 303	
J	2	9" x 0.015" x 15'-2"		ST 304	
ANGLE CLIPS					
CI	16	2" x 1/2" x 2 1/2" x 6"		ST 400	
* 6 SHEAR ANCHOR	BA2	4	2" x 6" x 0'-0"	ST 400	
CONNECTION BAR					
CB1	5	1" x 1/2" x 1'-3"		ST 400	
CONNECTION PLATES					
P1	4	3" x 2" x 1/4" x 0'-6"		ST 400	
P2	4	4" x 2" x 1/4" x 0'-9"		ST 400	
P3	4	4" x 2" x 1/4" x 1'-0"		ST 400	
P4	4	3" x 1/2" x 1'-2"		ST 409	

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS. (12) ALL CONNECTION DETAILS FOR FLOORS 25, 50 & 82 ARE SHOWN ON SHEETS CD 210 THRU CD 229. UNLESS OTHERWISE SHOWN, ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	GDC

REF. DRWG.	7-AB3-26	10-4-68
	7-AB1-13	10-4-68
	7-AB2-8	7-22-68
	7-AB4-28	7-22-68
	22-126	10-11-68
	7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL B2A-13'-4" x 59'-9"

FABRICATED BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-26

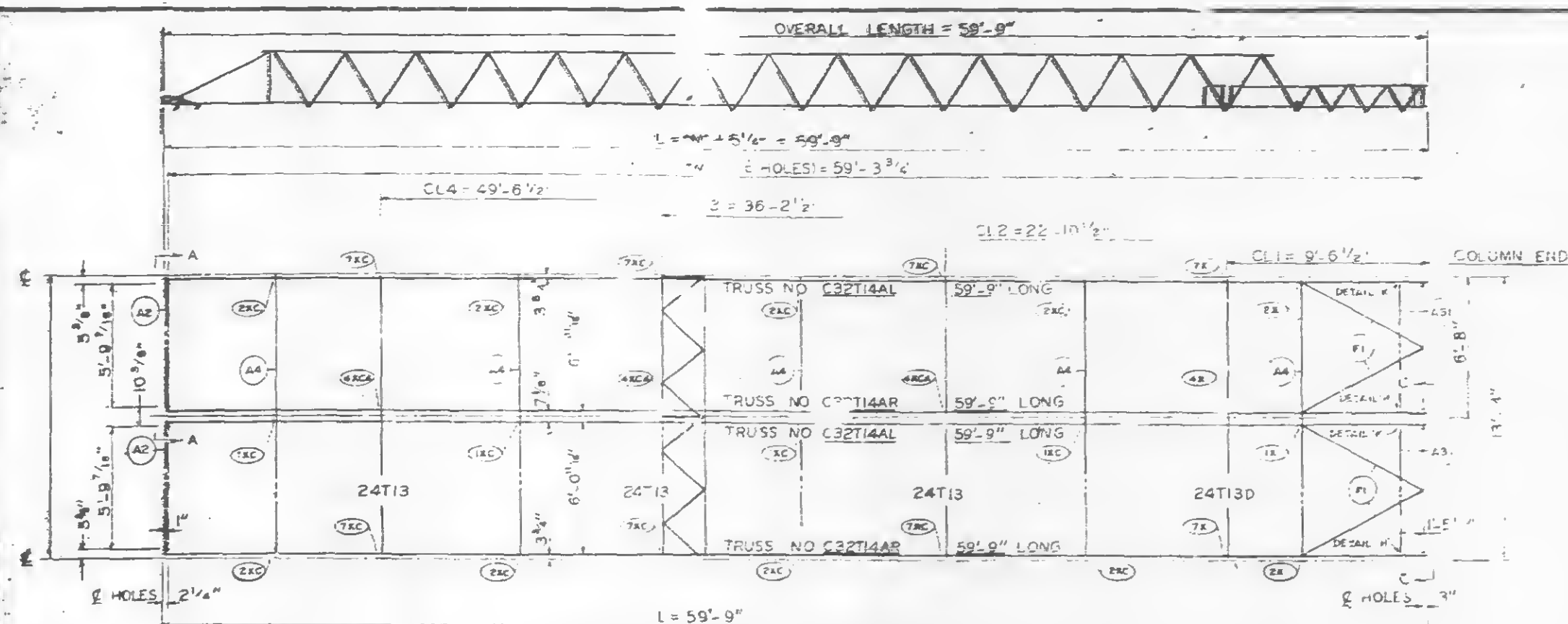
PLATE

APPROVED FOR FABRICATION DATE DEC. 3, 1968

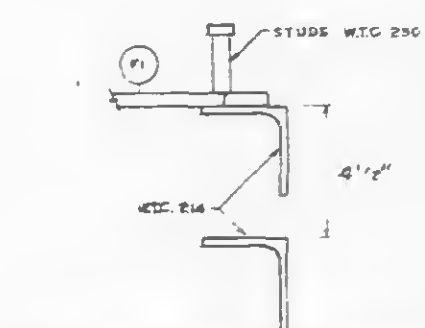
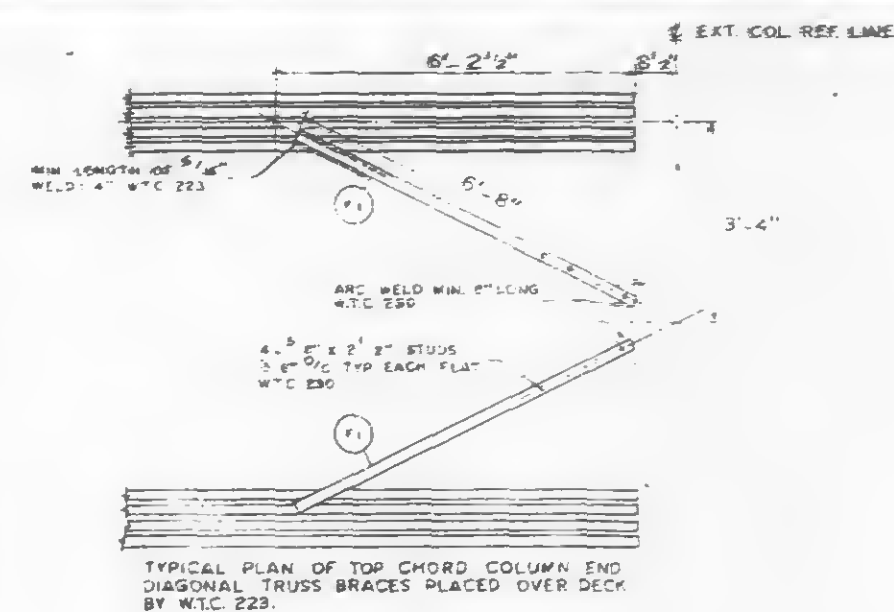
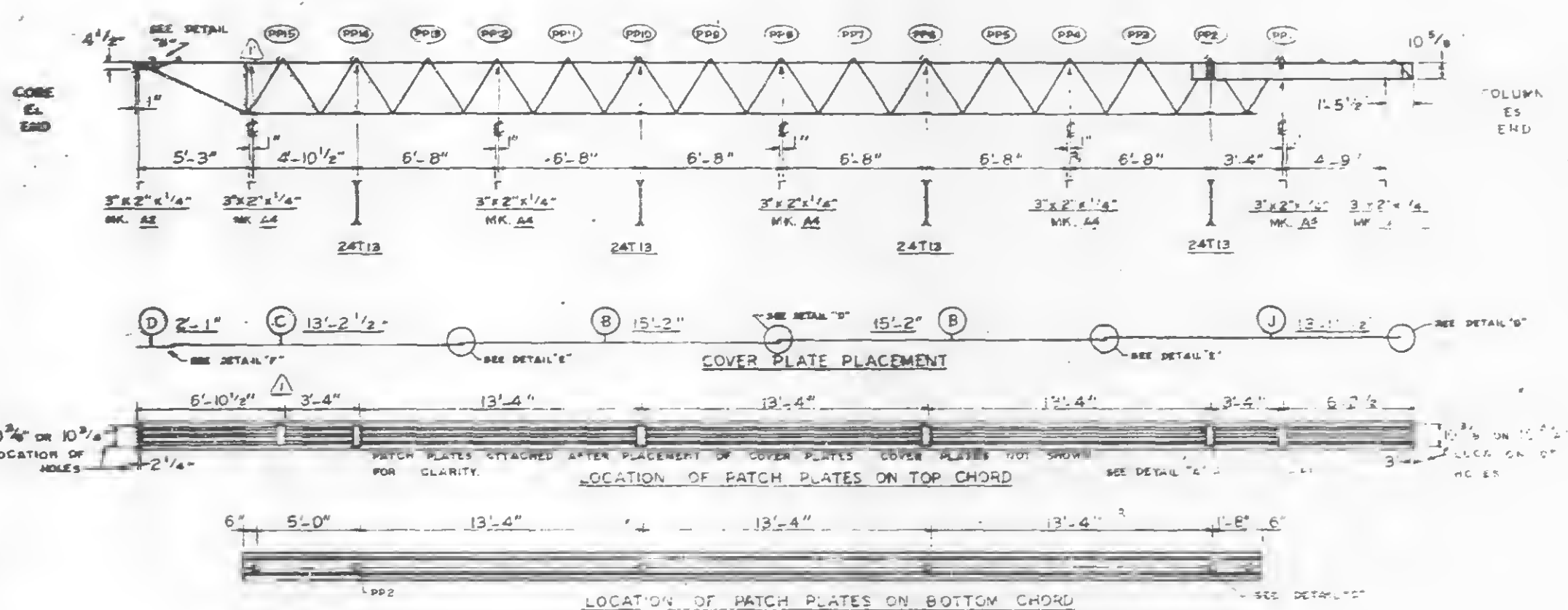
CHECKED BY T. CHUBA DATE DEC. 3, 1968

FABRICATION CONT. NO. 221

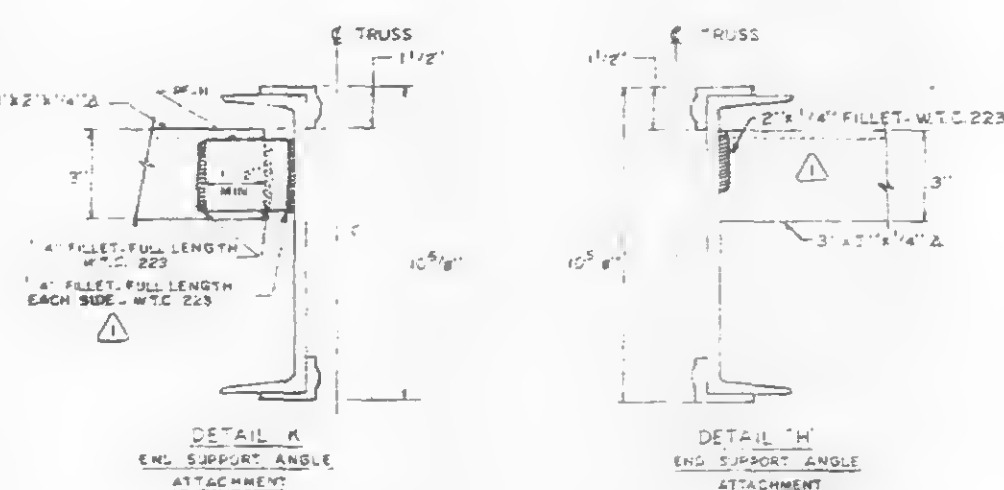
Detailed by



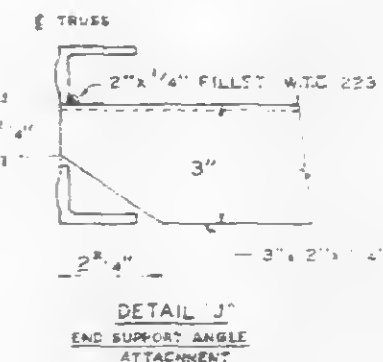
PANEL NO. BR2A SIZE 13'-4" x 59'-9"



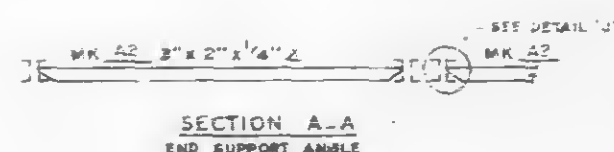
CLIP ANGLE LOCATION FOR DIAGONAL TRUSS BEARING.



SECTION C-C
END SUPPORT ANGLE



DETAIL J
END SUPPORT ANGLE ATTACHMENT



SECTION A-A
END SUPPORT ANGLE

MATERIAL	QTY.	SIZE	REF.
FLOOR TRUSSES	2	24T13 x 59'-9"	ST 2413
BRIDGING TRUSSES	2	24T13 x 13'-4"	ST 2413
3"x2"x1/4" ANGLE	2	3"x2"x1/4"	ST 403
CLOSURE PLATES	2	3"x4"x1/4"	ST 412
DIAGONAL FLATS	2	2"x3/4"x6'-6"	ST 402
PATCH PLATES	2	2"x3/4"x6'-6"	ST 400
COVER PLATES	2	2"x3/4"x6'-6"	ST 400
ANGLE CLIPS	2	2"x3/4"x6'-6"	ST 400
8" SHEAR ANCHOR	2	8" REBAR x 0'-8"	ST 400
CONNECTION BAR	2	2"x3/4"x6'-6"	ST 400
CONNECTION PLATES	2	2"x3/4"x6'-6"	ST 400

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS. (SEE 13)

ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 82 ARE SHOWN ON SHEETS CD 210 THRU CD 229. UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1/4" FULL THROAT FILLET.

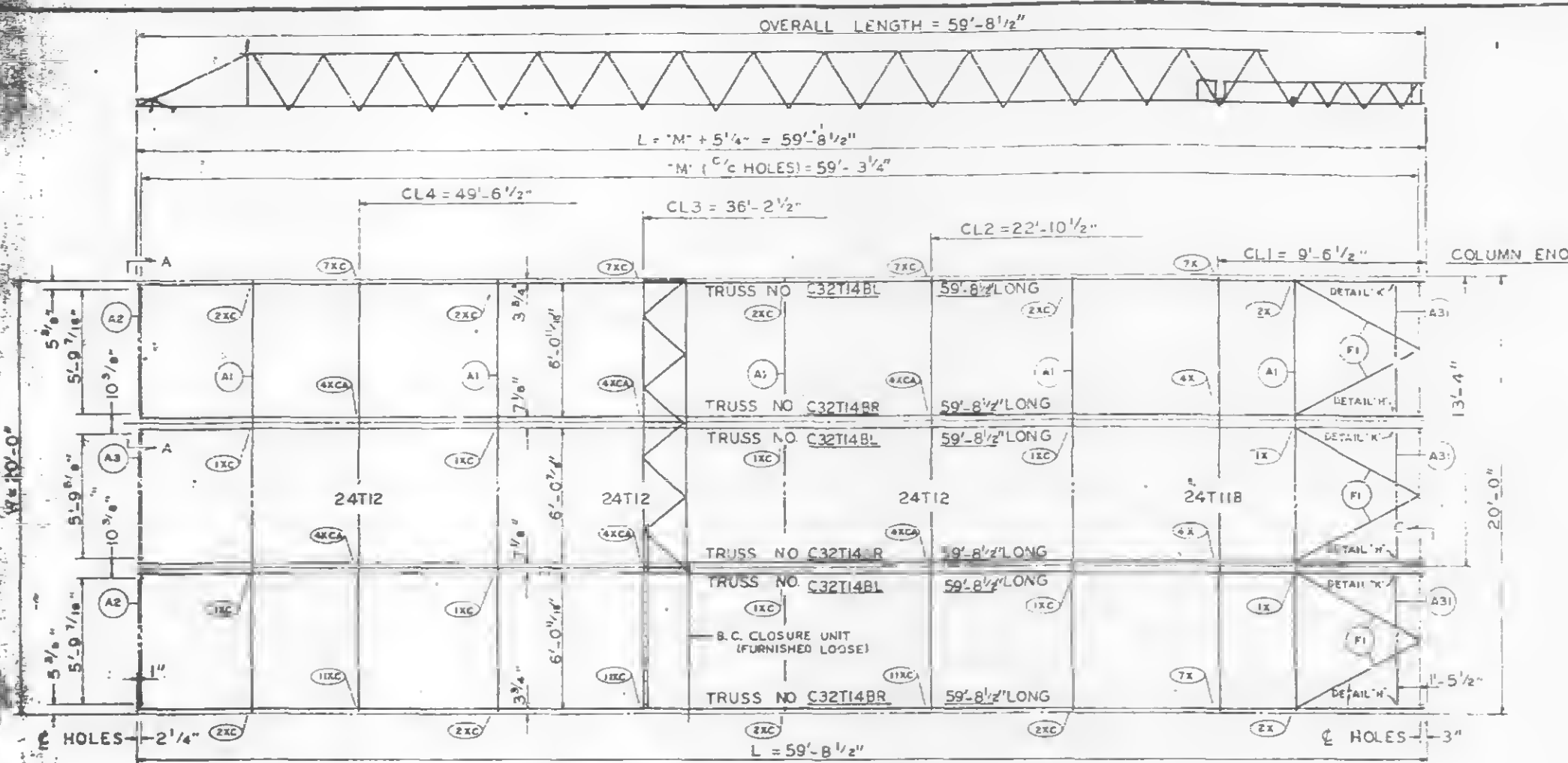
NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	SDC

REF. DRWG.	DATE	BY
7-ABB-27	10-4-68	
7-AB1-13	10-4-68	
7-AB2-8	7-22-68	
7-ABA-26	7-22-68	
SA-124	10-11-68	
7-ABB-24	8-15-68	

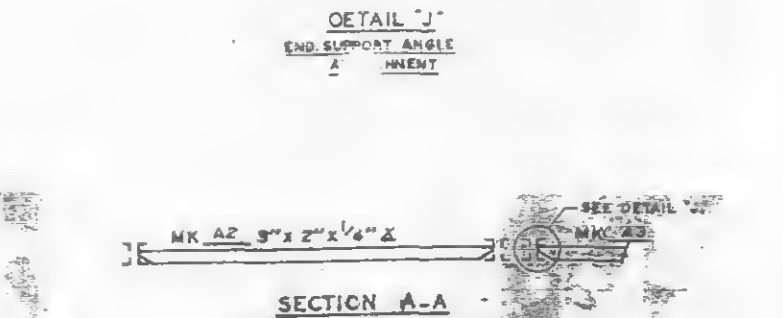
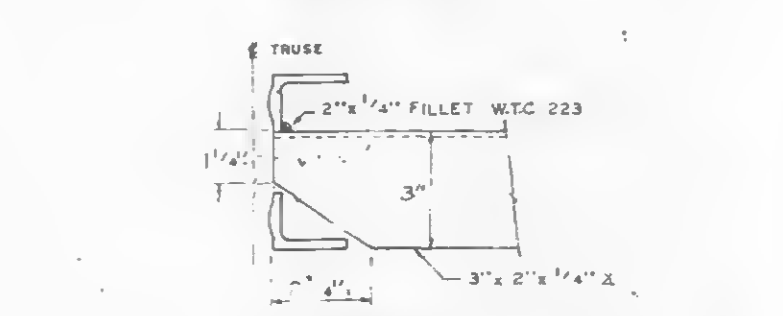
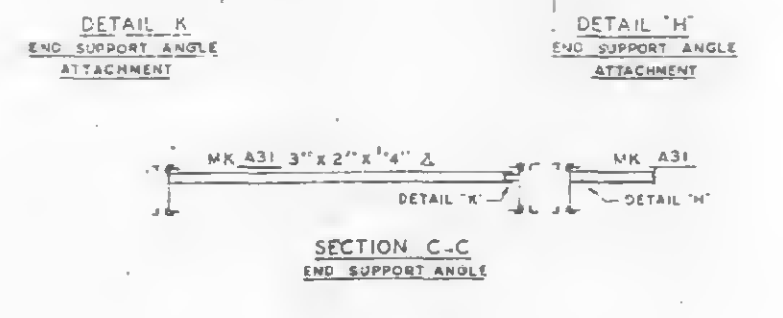
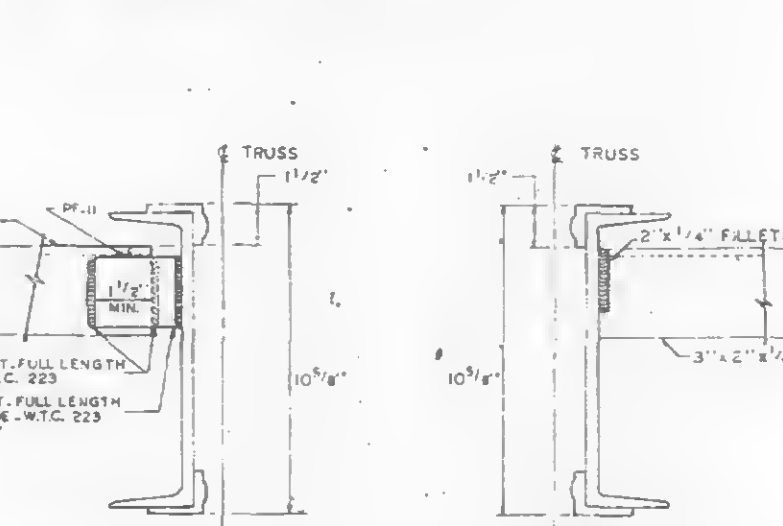
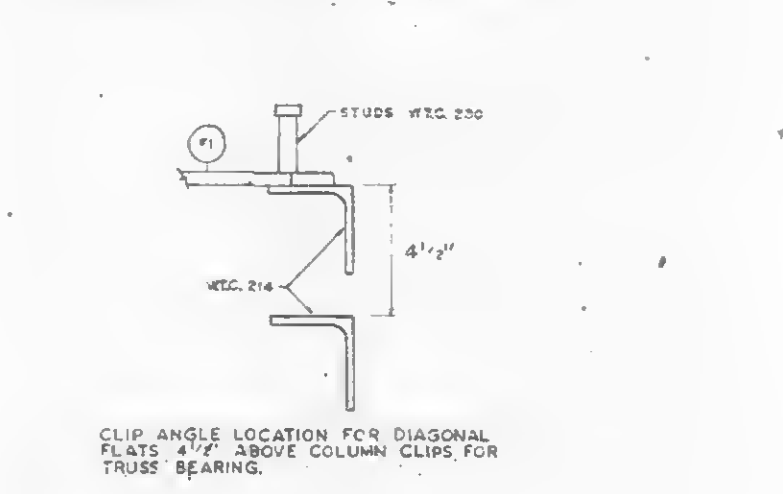
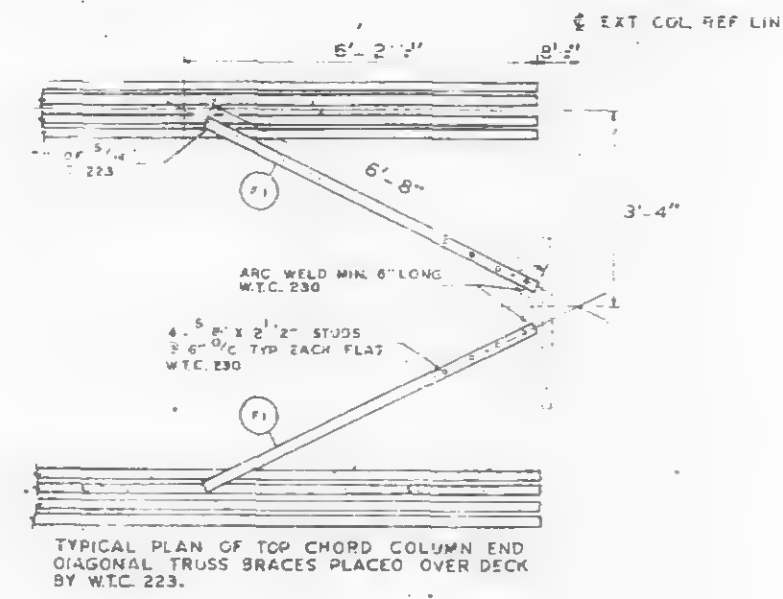
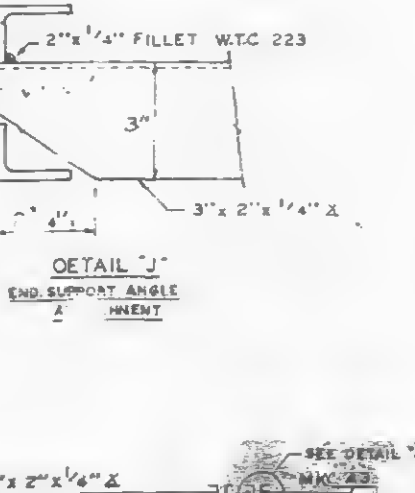
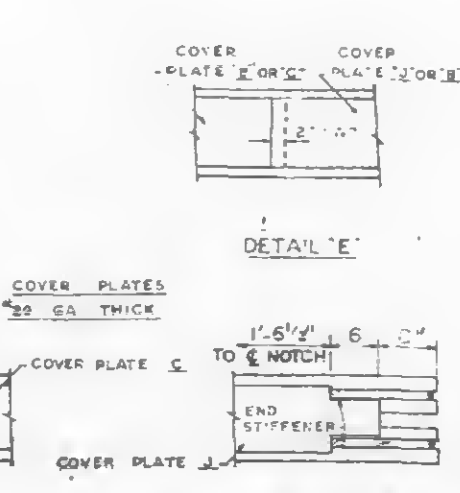
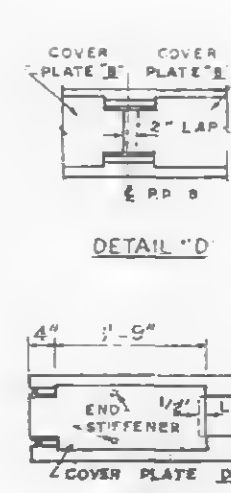
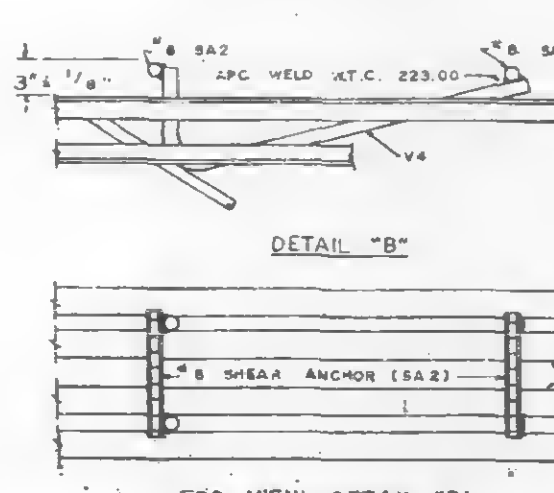
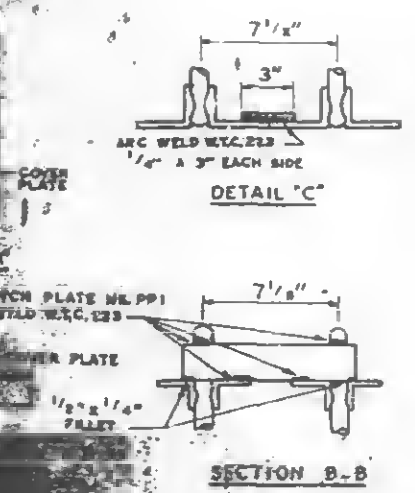
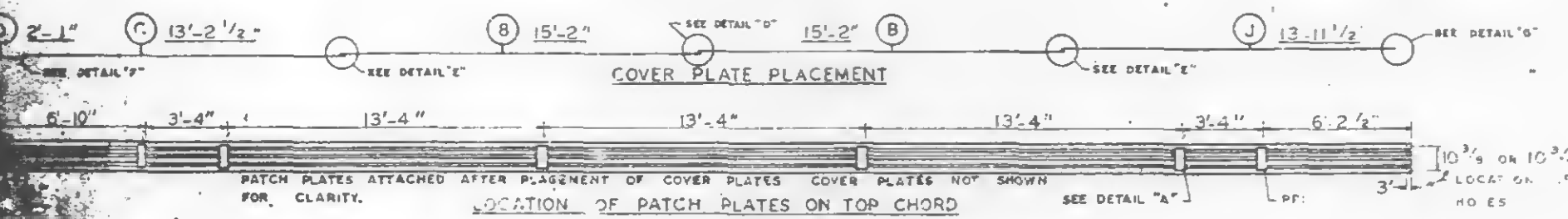
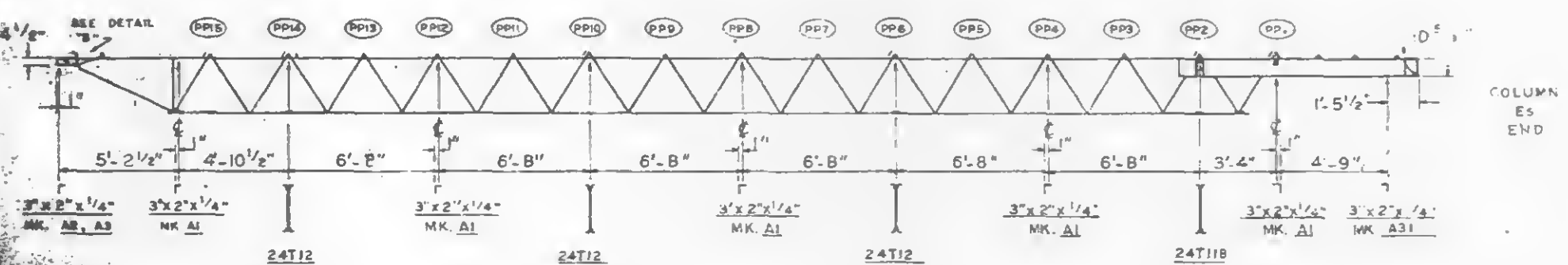
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59 & 82 (NORTH & SOUTH SPINGRATH)
PANEL BR2A-13'-4" x 59'-9"

FABRICATED BY LACED STEEL COMPANY	DESIGN DRAWING NO. 7-ABB-27	PLATE
APPROVED FOR FABRICATION DATE FOR PONYA	DRAWN BY DATE DEC. 5, 1968	
APPROVED FOR FABRICATION DATE FOR FABRICATOR	CHECKED BY DATE DEC. 5, 1968	IN CHARGE OF FABRICATION CONT. NO. W.T.C. 221
DETAILS		W.T.C. 221



PANEL NO. C2B SIZE 20' x 59'-8 1/2"



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	ORWG.
FLOOR TRUSSES	T14B1	3	C32T14B1 x 59'-8 1/2"	ST 214B1
	T14B2	3	C32T14B2 x 59'-8 1/2"	ST 214B2
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/2" x 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 19'-11"	ST 403
	A3	1	3" x 2" x 1/4" x 19'-11"	ST 403
	A31	3	3" x 2" x 1/4" x 19'-11"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 1/2"	ST 412
DIAGONAL PLATES	FI	6	1 1/2" x 3" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1 1/2" x 0'-9"	ST 400
	PP2	18	3" x 3" x 0'-3"	ST 400
COVER PLATES	C	3	9" x 0.135" x 13'-2 1/2"	ST 303
	D	3	9" x 0.135" x 2'-1"	ST 303
	J	3	9" x 0.135" x 13'-11 1/2"	ST 304
	C1	21	2" x 1 1/2" x 25' x 0'-6"	ST 400
ANGLE CLIPS				
"B" SHEAR ANCHOR	SA2	6	"B" REBAR x 0'-9"	ST 400
CONNECTION BAR	CBI	5	1" x 1/2" x 3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3 1/2" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x 3 1/2" x 0'-9"	ST 400
	P3	1	4 1/2" x 3 1/2" x 1'-0"	ST 400
	P4	6	3 1/2" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (C1).



NO.	DATE	REVISION	BY

VOID

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

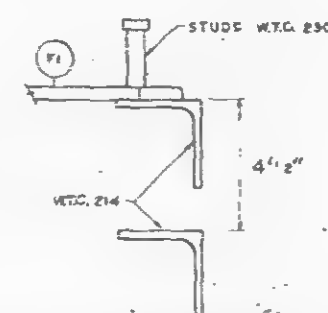
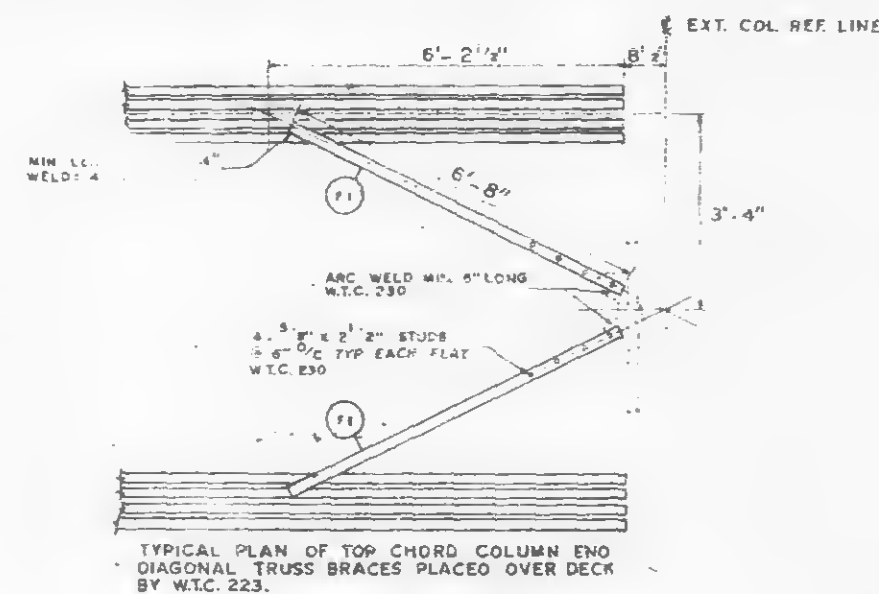
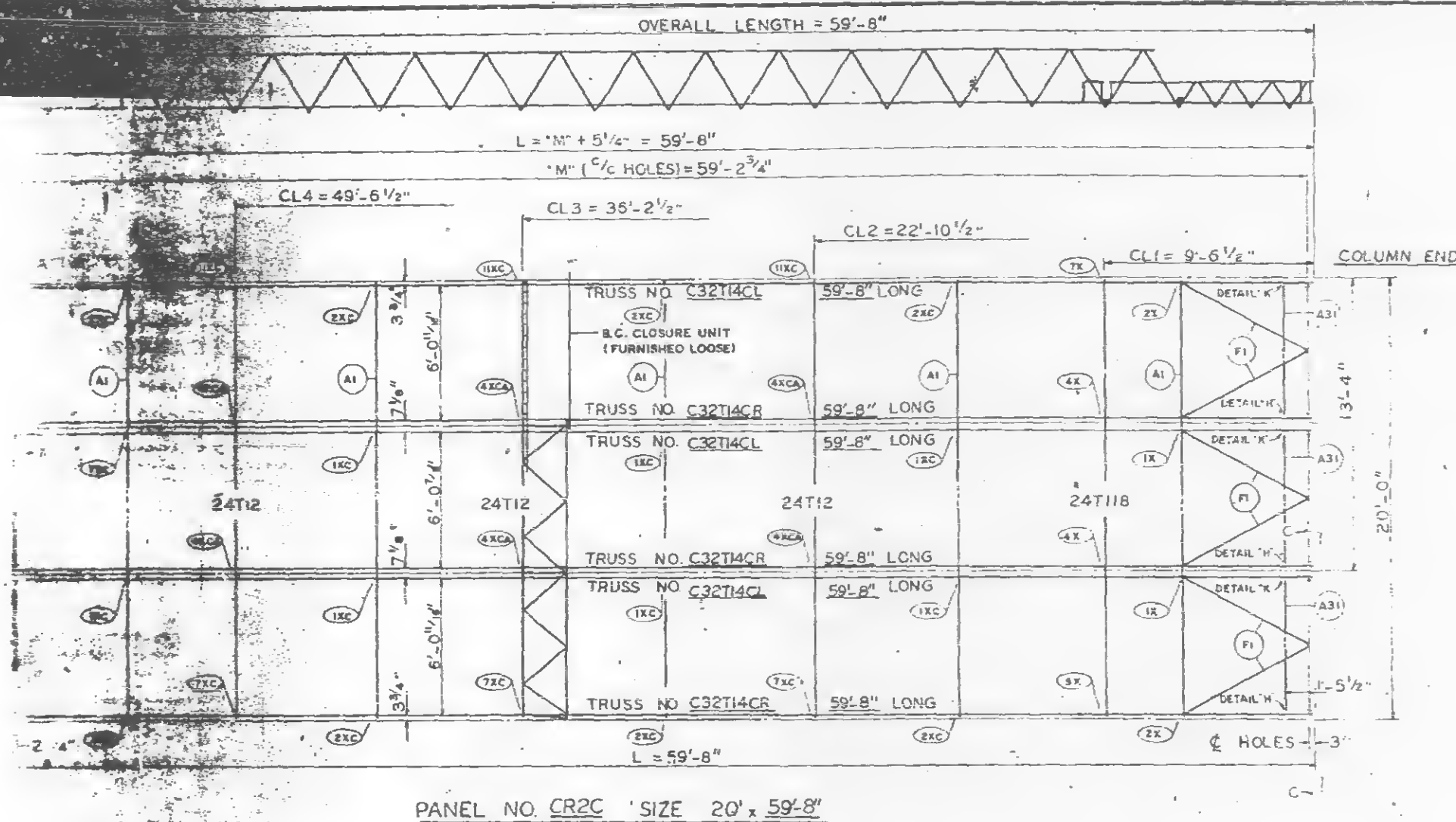
BLDG. A FLOORS 92 (NORTH)

PANEL C2B - 20' x 59'-8 1/2"

BLDG. B FLOORS 92 (WEST)

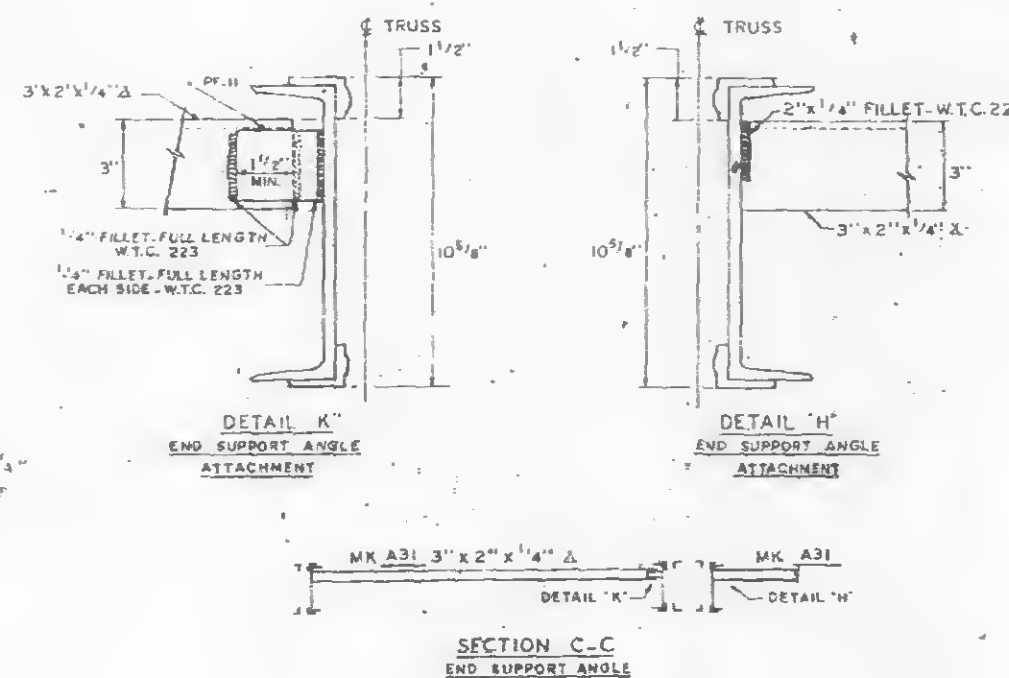
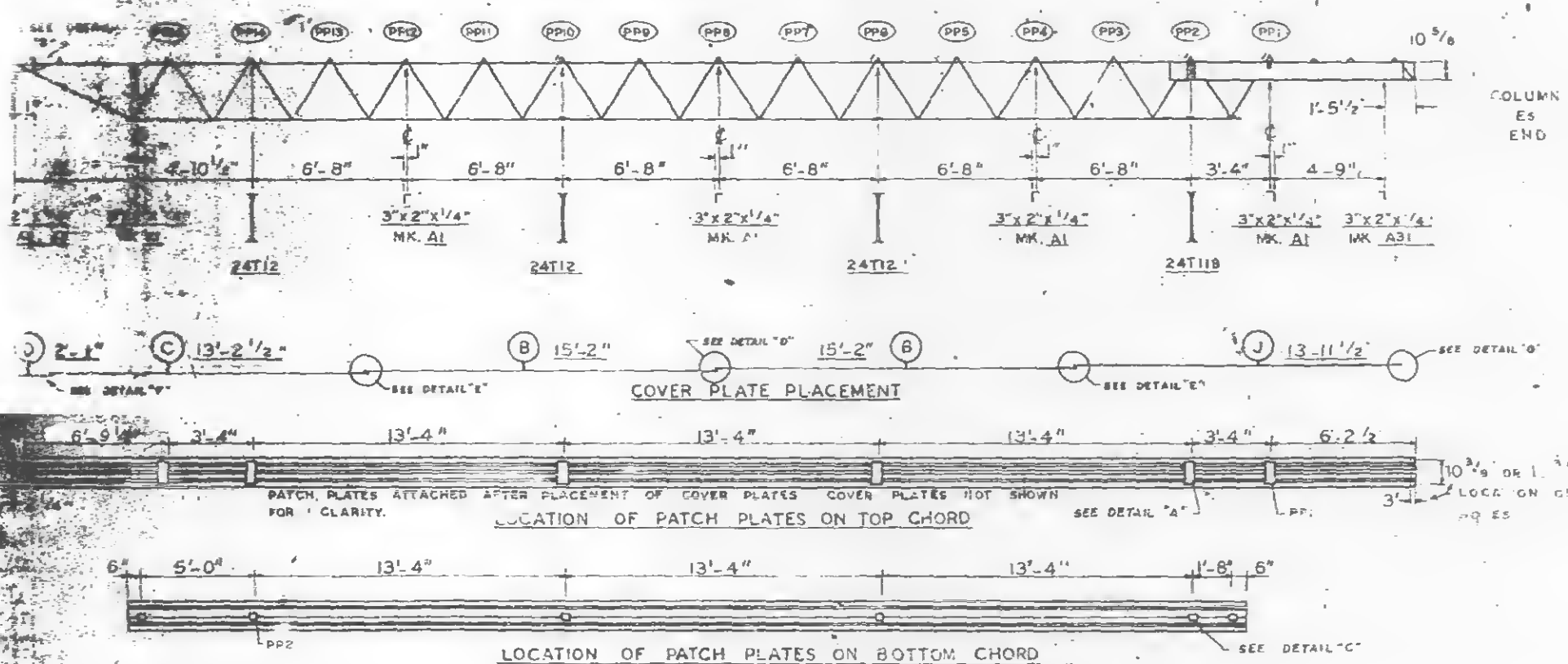
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB2-28	DATE APRIL 28, 1969	DRAWN BY LUCK
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE APRIL 28, 1969	CHECKED BY J.M. CHURCH	IN CHARGE OF FABRICATION
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE APRIL 28, 1969	FABRICATION CONT. NO. 221	W.T.C.
DETAILED BY A.S. STEEL			



REQUIRED MATERIAL PER PANEL					REF.
MATERIAL	MK.	PCS.	SIZE		DRWG.
FLOOR TRUSSES	THCL	3	C32T14CL x 59'-8"	ST 214CL	
	THCR	3	C32T14CR x 59'-8"	ST 214CL	
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	ST 211B	
	T12	3	24T12 x 19'-11"	ST 212	
CLOSURE UNIT	BC	3	1 $\frac{1}{2}"$ x 6'-6 $\frac{1}{2}"$ TUBE	ST 212	
	A1	5	3 $\frac{1}{2}"$ x 2 $\frac{1}{4}"$ x 19'-11"	ST 403	
	A2	2	3 $\frac{1}{2}"$ x 2 $\frac{1}{4}"$ x 5'-11 $\frac{3}{4}"$	ST 403	
	A3	1	3 $\frac{1}{2}"$ x 2 $\frac{1}{4}"$ x 5'-11 $\frac{3}{4}"$	ST 403	
	A31	3	3 $\frac{1}{2}"$ x 2 $\frac{1}{4}"$ x 5'-11 $\frac{3}{4}"$	ST 410	
CLOSURE PLATES	PF-11	3	3 $\frac{1}{2}"$ x 1 $\frac{1}{4}"$ x 0'-2 $\frac{1}{2}"$	ST 412	
DIAGONAL FLATS	FI	6	1 $\frac{1}{2}"$ x 5 $\frac{1}{2}"$ x 6'-8"	ST 402	
PATCH PLATES	PP-1	18	2 $\frac{1}{2}"$ x 1 $\frac{1}{4}"$ x 0'-9"	ST 400	
	PP-2	18	3 $\frac{1}{2}"$ x 3 $\frac{1}{8}"$ x 0'-3"	ST 400	
COVER PLATES	B	6	9 $\frac{1}{2}"$ x .0135" x 15'-2"	ST 303	
	C	3	9 $\frac{1}{2}"$ x .0135" x 13'-2 $\frac{1}{2}"$	ST 303	
	D	3	9 $\frac{1}{2}"$ x .0135" x 2'-1"	ST 303	
	J	3	8 $\frac{1}{2}"$ x .0135" x 13'-11 $\frac{1}{2}"$	ST 304	
ANGLE CLIPS	CI	21	2 $\frac{1}{2}"$ x 1 $\frac{1}{2}"$ x .25" x 0'-6"	ST 400	
*B SHEAR ANCHOR	SAZ	6	*B REBAR x 0'-0"	ST 400	
CONNECTION BAR	CB1	5	1" x 1'-3"	ST 400	
	P1	4	3 $\frac{1}{2}"$ x 3 $\frac{1}{8}"$ x 0'-6 $\frac{1}{2}"$	ST 400	
	P2	4	4 $\frac{1}{2}"$ x .39" x 0'-9"	ST 400	
	P3	1	4 $\frac{1}{2}"$ x .36" x 1'-0"	ST 400	
	P4	6	3 $\frac{1}{2}"$ x 1 $\frac{1}{2}"$ x 2"	ST 409	

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. LETTERS AND NUMBERS IN ELIPSES INDICATE CONNECTION DETAILS, i.e. (1), (2). ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229. UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWG.	7-A88-29	10-4-68
	7-A84-28	7-22-68
	7-A81-13	10-4-68
	7-A82-7	7-22-68
	7-A82-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL CR2C - 20' x 59'-8"

BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

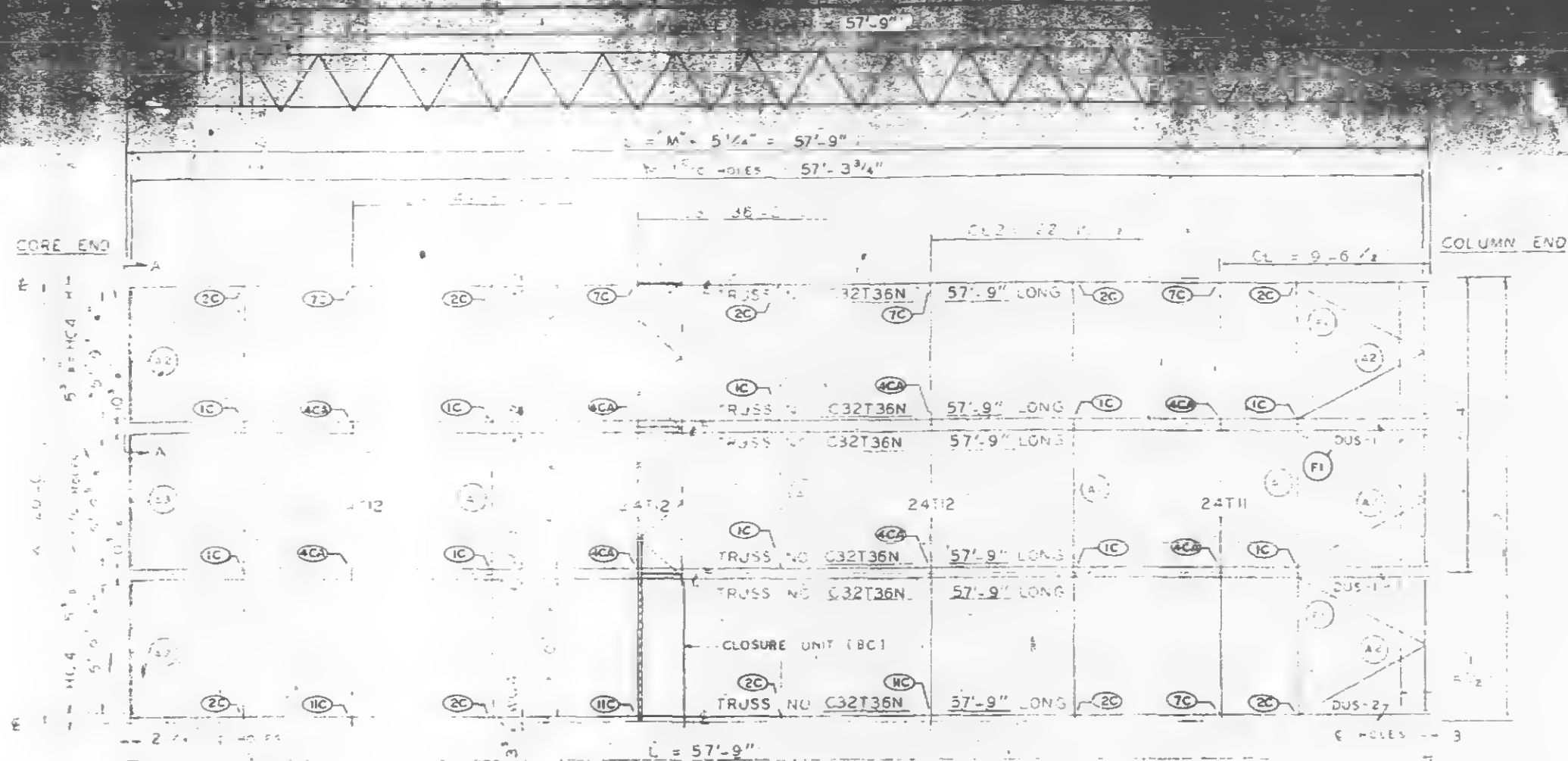
DESIGN DRAWING NO. 7-A88-29

DRAWN BY [Signature]

DATE APRIL 28, 1968

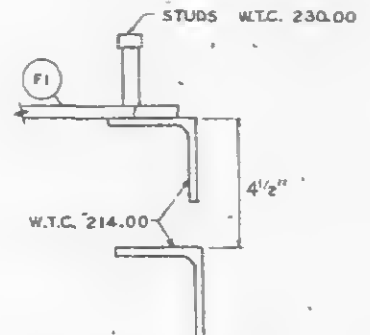
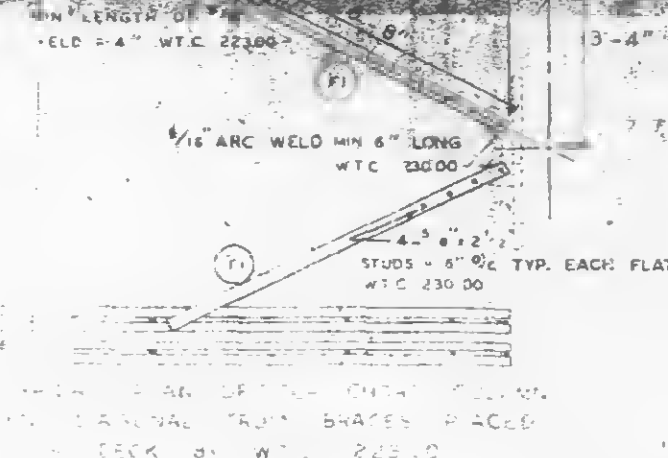
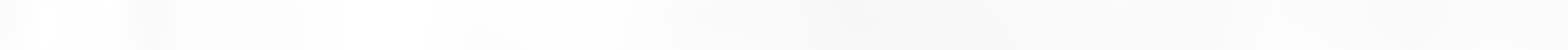
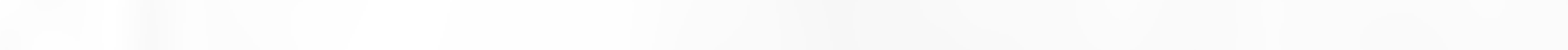
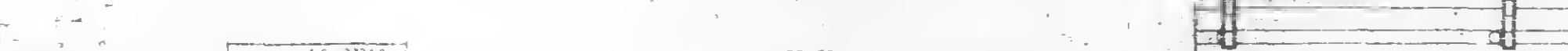
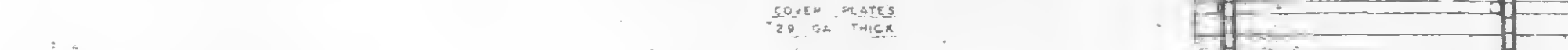
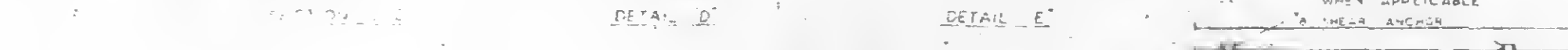
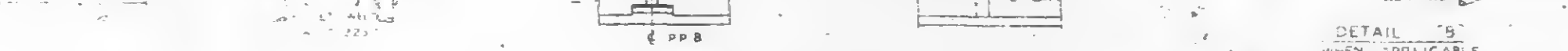
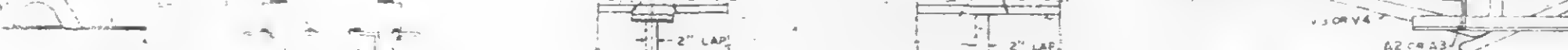
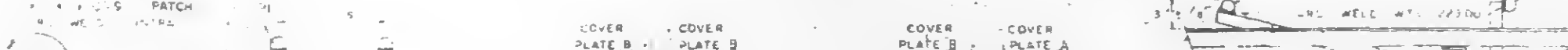
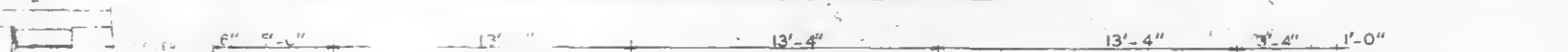
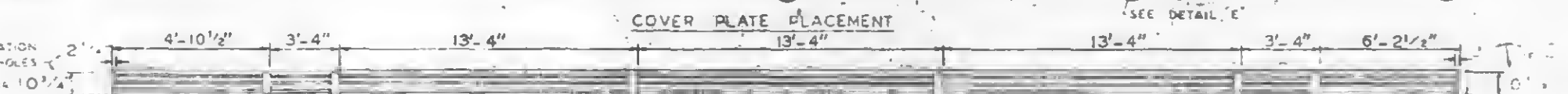
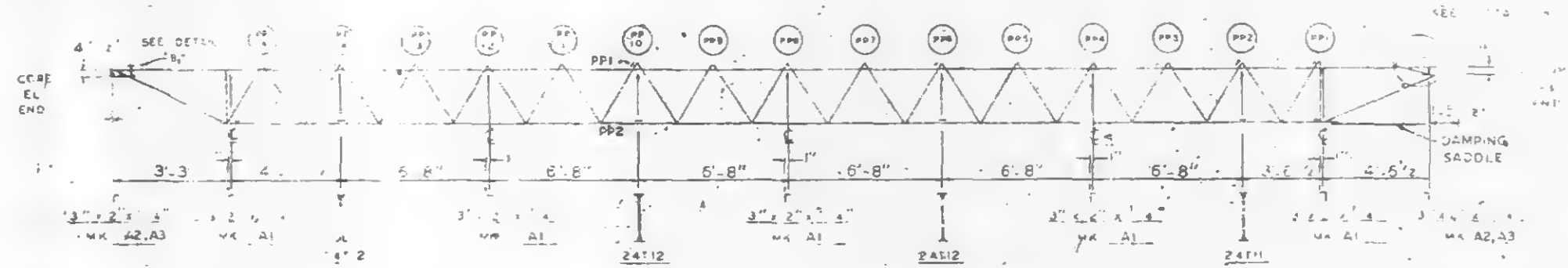
CHECKED BY [Signature]

DATE APRIL 28, 1968



ALL DIMENSIONS HERE SHOWN ARE FOR THE BEARING END OF FLOOR TRUSS. TRUSS ARE NOT EXACTLY ALIGNED WITH THE COLUMN CLIPS & BRACKS.

PANEL NO. C8N SIZE 20'-0" x 57'-9"



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2\"/>

LETTERS AND NUMBERS IN ELLIPSES, i.e., (C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

BRIDGING TRUSSES					
		A2	1	1" x 4" x 5'-10"	ST 400
		A1	2	1" x 4" x 5'-10"	ST 400
3" x 2" x 2" ANGLE		A3	2	3" x 2" x 2" x 5'-10"	ST 400
DIAGONAL FLATS		V1	5	1" x 4" x 5'-10"	ST 400
		PP1	16	2" x 1" x 0'-3"	ST 400
		PP2	16	3" x 1" x 0'-3"	ST 400
PATCH PLAT'S					
		A	3	9" x 0.135" x 13'-11"	ST 303
		B	6	9" x 0.135" x 15'-2"	ST 303
COVER PLATES		C	3	9" x 0.135" x 13'-2"	ST 303
		C1	21	2" x 1" x 1" x 1' x 0'-8"	ST 400
ANGLE CLIPS					
		SA2	5	3" B REBAR x 0'-0"	ST 400
"B SHEAR ANCHOR					
		DUS2	2	3 1/2" x 3 1/2" x 3/8" x 8'-7"	ST 298
DAMPING SADDLE		DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 8'-7"	ST 298
CONNECTION BAR		CB1	4	1" x 1" x 3'-0"	ST 400
		BC	3	2 1/2" x 1" x 1 1/2" x 8'-2"	BT 212
CLOSURE UNIT					
		PI	5	3 1/2" x 3" x 8" x 0'-0"	ST 400
		PS	4	4 1/2" x 3" x 0'-0"	ST 400
CONNECTION PLATES		P3	1	4 1/2" x 3" x 1" x 0'-0"	ST 400

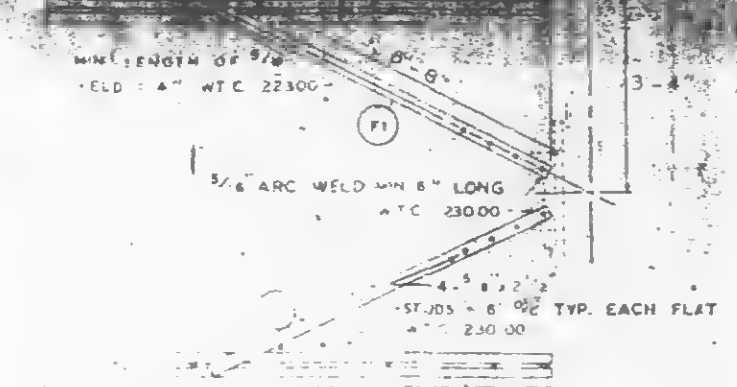
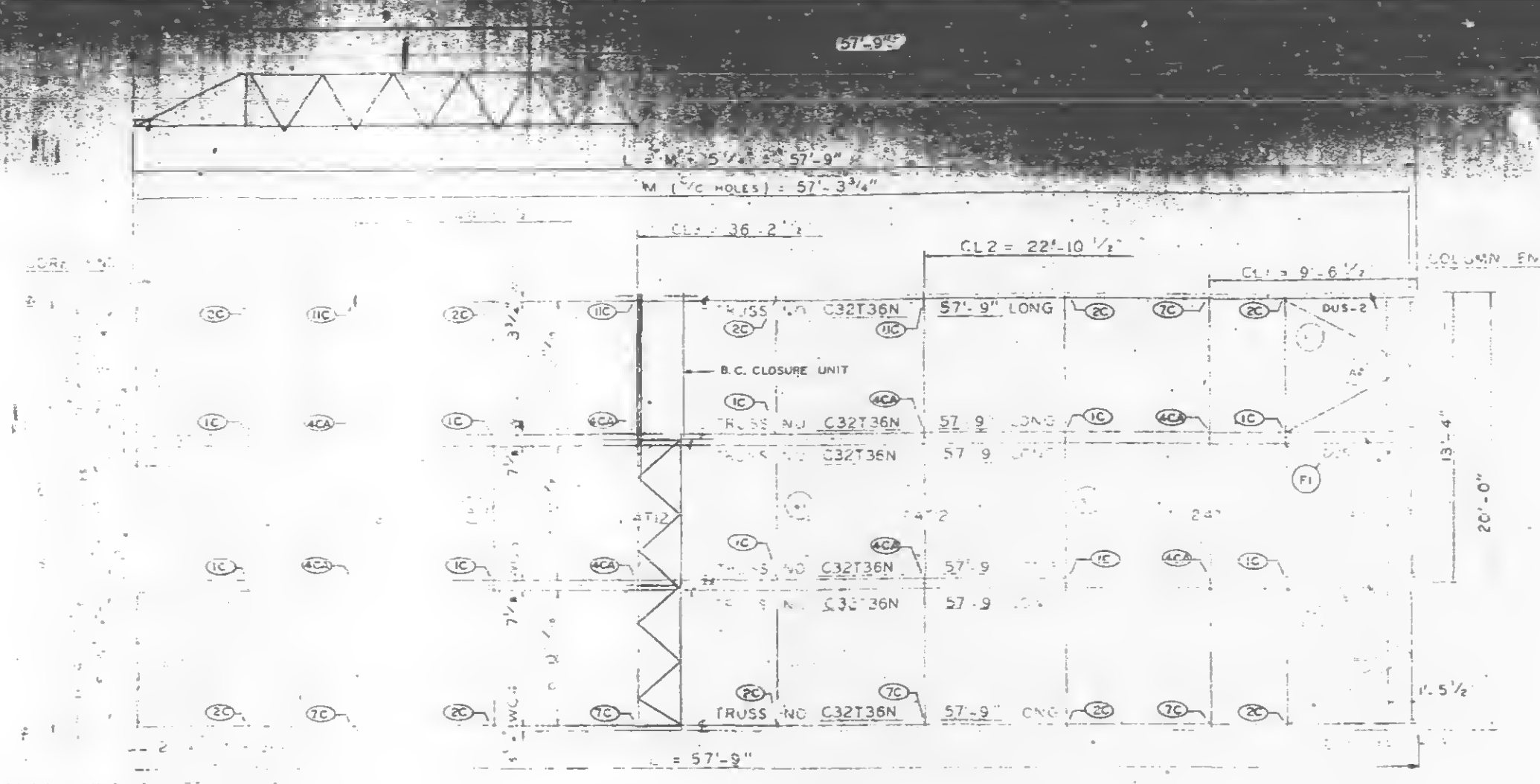
NO.	DATE	REVISION	BY

REF	7-284-10	12-20-68
DRWG	7-284-3	10-15-68
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	7-284-41	7-22-68
	7-284-42	1-6-69
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	7-284-34	1-6-69
	7-284-6 & 7	7-22-68
	7-284-42	10-15-68

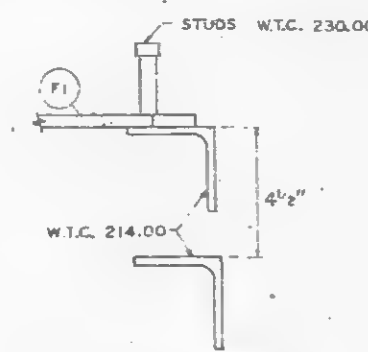
SKIRLING, HELLIE
CHRISTENSEN-SORENSEN
Structural & Civil Engineers
443 W. 42nd St.
New York 36, N.Y.

FLOOR PANEL DETAILS
WORLD TRADE CENTER - N.Y.C.
FOR THE PORT OF NEW YORK AUTHORITY
44 W. 42nd St., 44 (SOUTH END)
PANEL C8N - 20'-0" x 57'-9"

FABRICATED BY LACLEDE STEEL COMPANY
FOR THE PORT OF NEW YORK AUTHORITY
APPROVED FOR FABRICATION BY [Signature]
DATE [Date]
CHECKED BY [Signature]
DATE [Date]
FABRICATION CONT. NO. [Number]
SHEET NO. [Number]



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

NO.	DATE	REVISION	BY
1	7-22-68	10-15-68	
2	7-22-68	7-22-68	
3	7-22-68	7-22-68	
4	7-22-68	7-22-68	
5	7-22-68	7-22-68	
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99	7-22-68	7-22-68	
100	7-22-68	7-22-68	

LETTERS AND NUMBERS IN ELLIPSES, i.e., (C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CO 201, CO 202 OR CO 204.

NO.	DATE	REVISION	BY
1	7-22-68	10-15-68	
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99	7-22-68	7-22-68	
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SKILLING, HELLER & CO.
CHICAGO, ILL.
STRUCTURAL & CIVIL ENGINEERS

DESIGN DRAWING NO. 7-AB2-27

DATE: MARCH 31, 1968

DESIGNED BY: J.E. DURAN

CHECKED BY: J.E. DURAN

DATE: MARCH 31, 1968

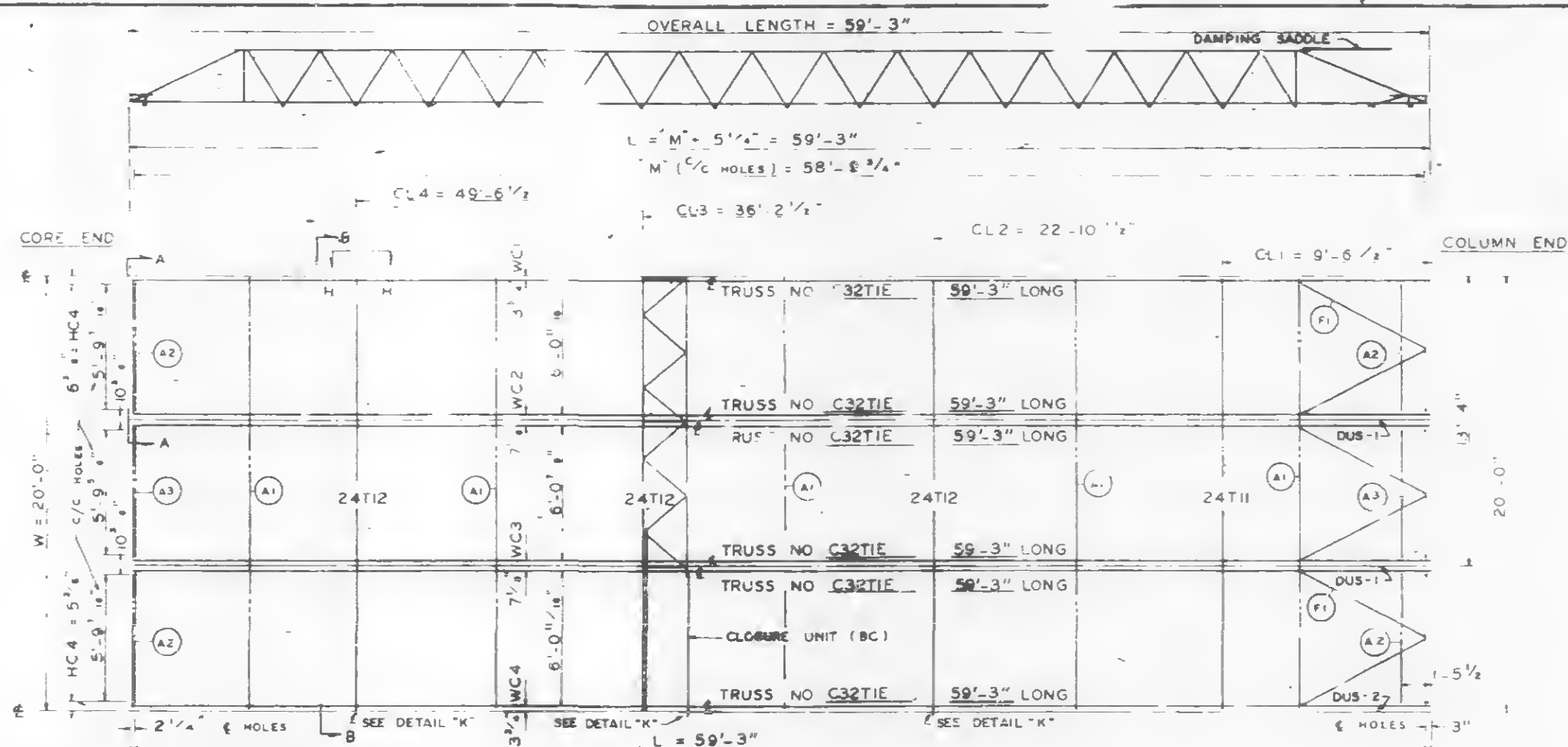
FABRICATED BY: LACED STEEL CO.

DATE: MARCH 31, 1968

CONNECTION NO. 201

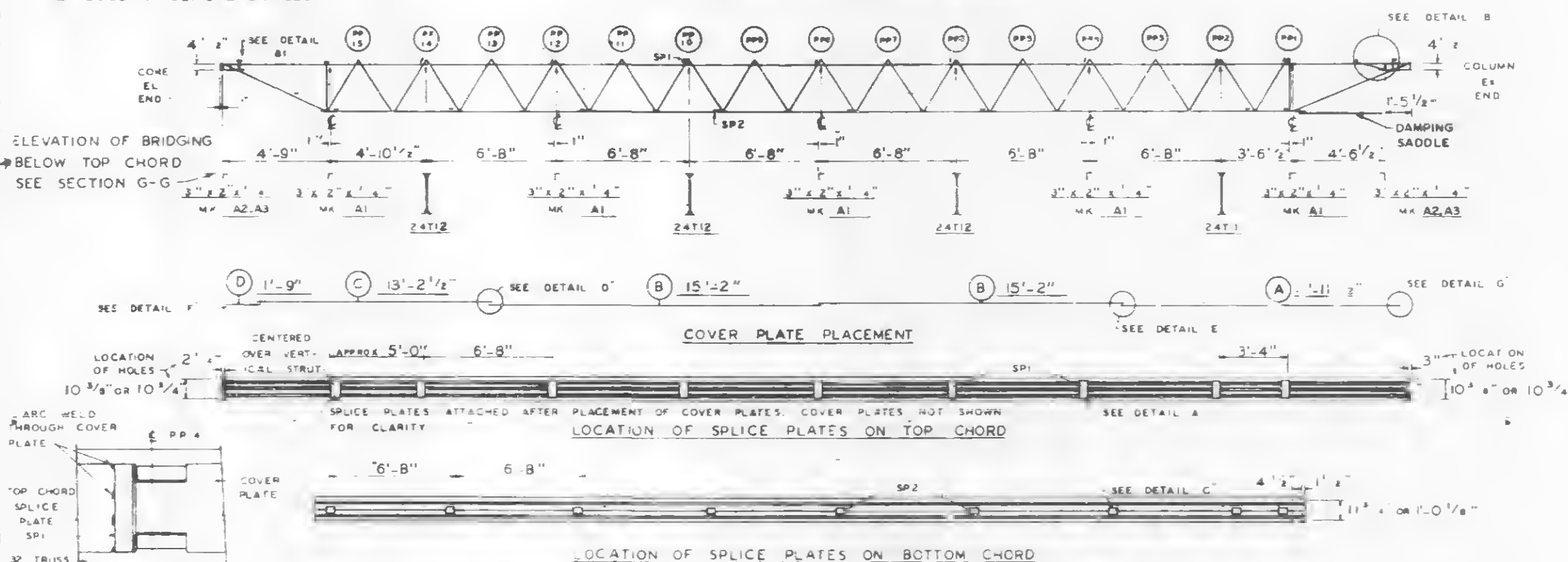
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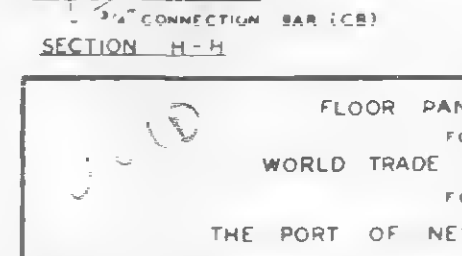
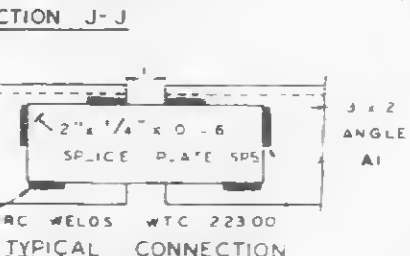
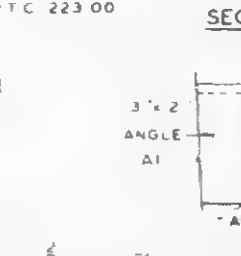
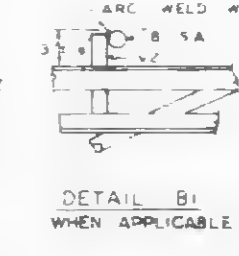
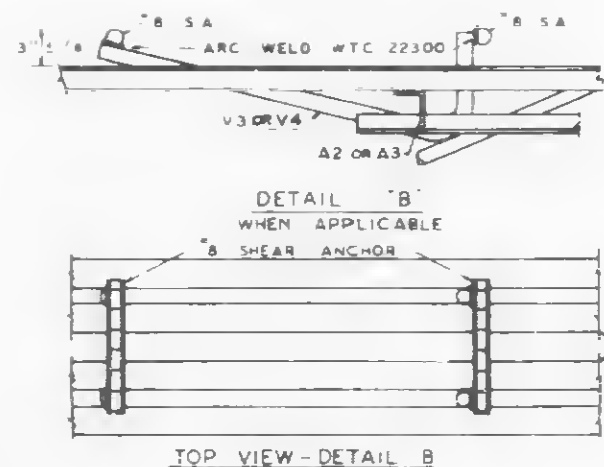
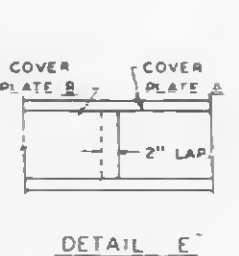
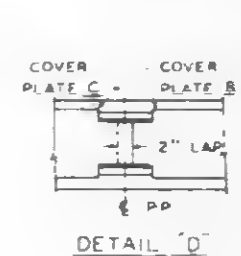
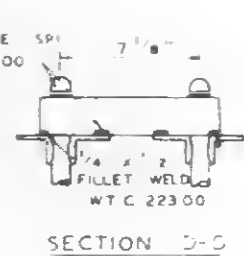
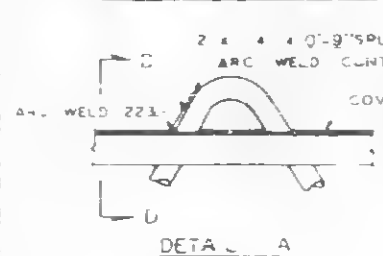


CL & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE CL ON THE COLUMN CLIPS & BRACES

PANEL NO. CIE SIZE 20'-0" x 59'-3"

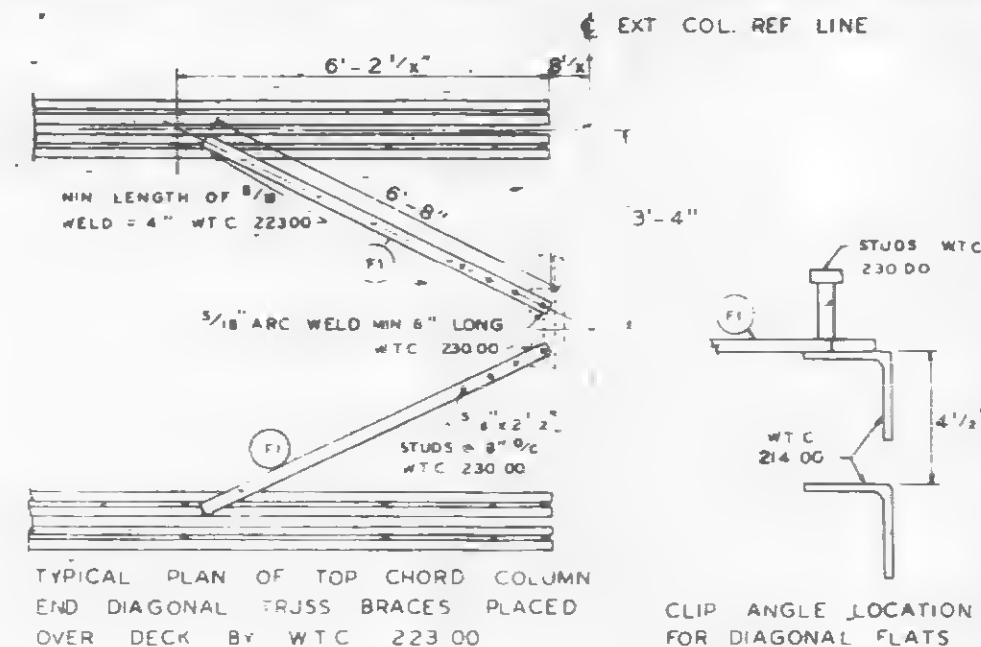


TOP VIEW DETAIL A

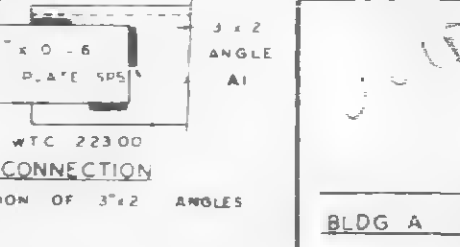
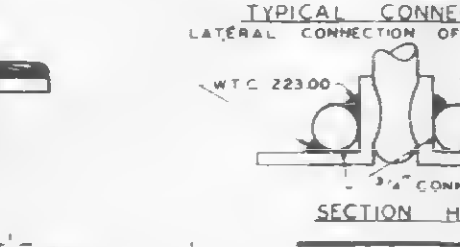
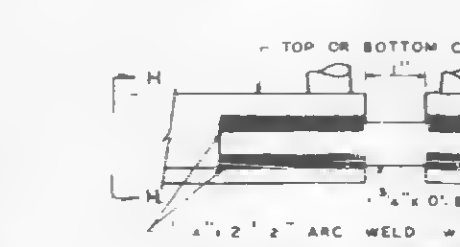
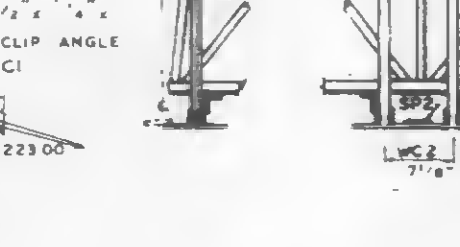
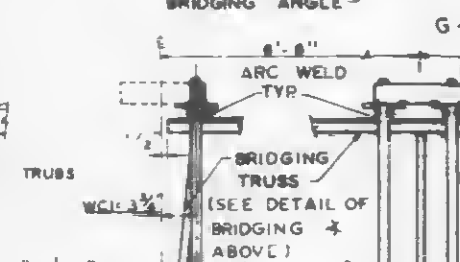
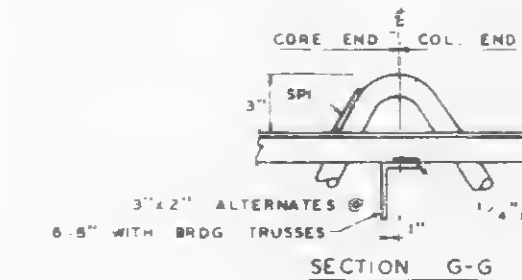


NOTE ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FILLET WELDS

FIELD PUNCH COVER PLATES OVER ENDS STIFFENERS WTC 22300



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY WTC 22300



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	QTY	SIZE	DRWG	
FLOOR TRUSSES	1	59'-3" LONG	ST20E	
BRIDGING TRUSSES	1	12'-10" LONG	BT211	
3" x 2" x 1/4" ANG	4	3" x 2" x 1/4"	ST400	
DIAGONAL FLATS	1	1/8" x 1/4" x 6'-8"	ST400	
SPLICE PLATES	1	2" x 1/4" x 10'-0"	CD201	
COVER PLATES	1	1/8" x 1/4" x 10'-0"	ST400	
ANGLE CLIPS	1	1/8" x 1/4" x 10'-0"	CD201	
8" SHEAR ANCHOR	1	8" x 1/4" x 10'-0"	CD201	
DAMPING SADDLE	1	12'-10" LONG	ST298	
CONNECTION BAR	1	1/8" x 1/4" x 10'-0"	CD201	
CLOSURE UNIT	1	230 x 6' x 4"	BT212	

FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-11 (NORTH & SOUTH)

PANEL CIE 20'-0" x 59'-3"

FABRICATION BY LACLED STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-7

DATE APRIL 10, 1968

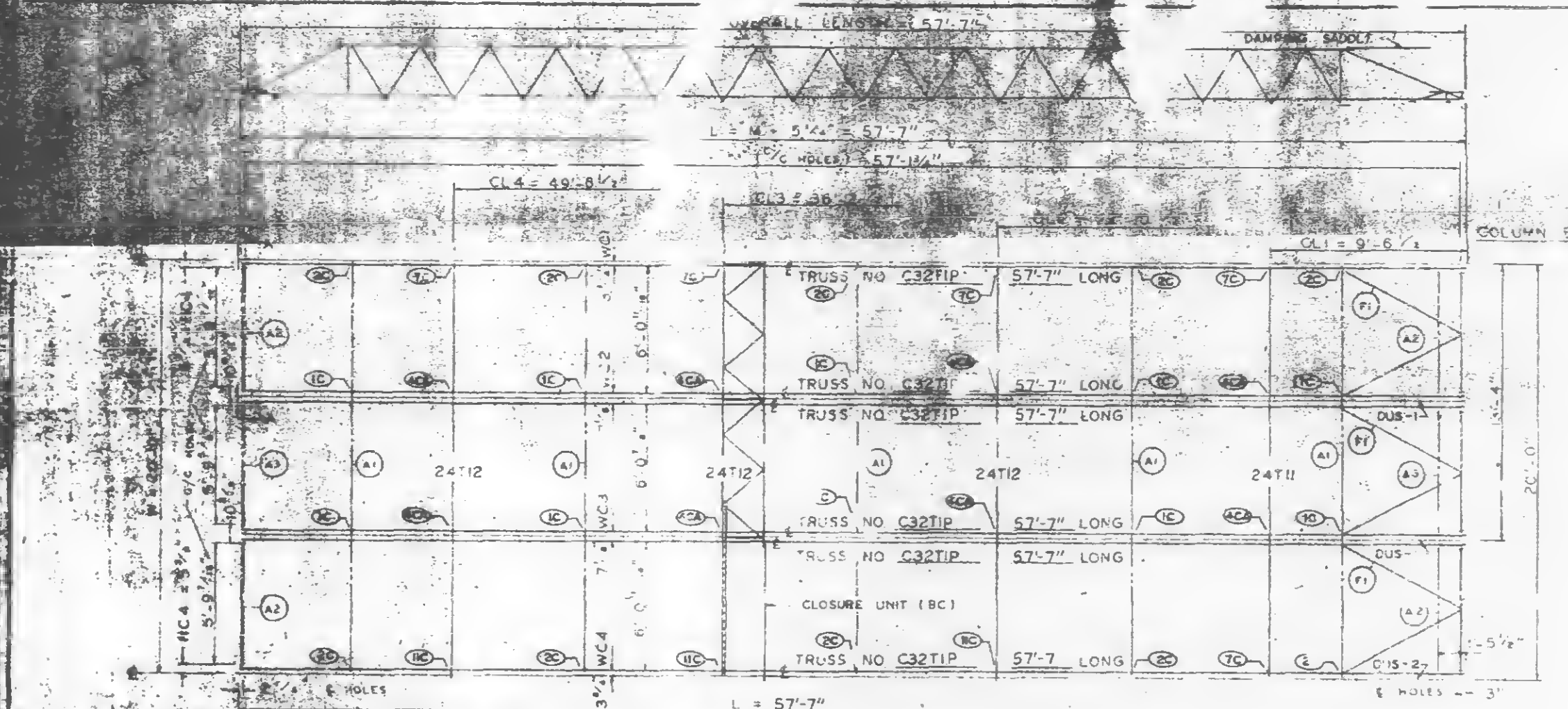
APPROVED FOR FABRICATION BY [Signature]

CHECKED BY J.R. PAUL

DATE APRIL 10, 1968

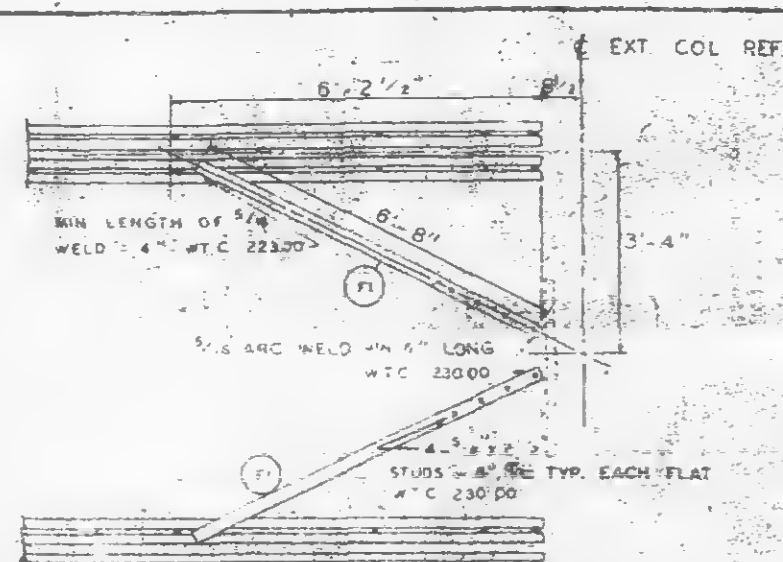
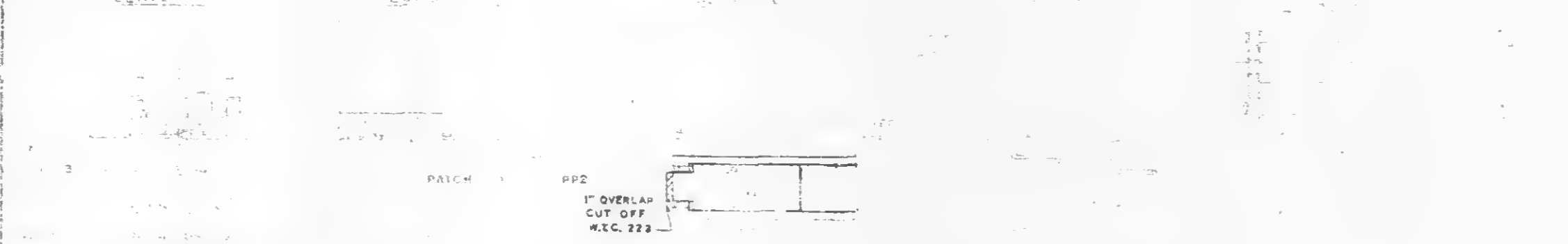
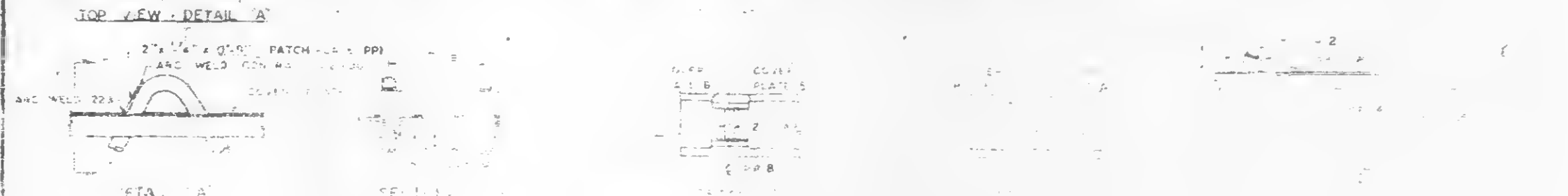
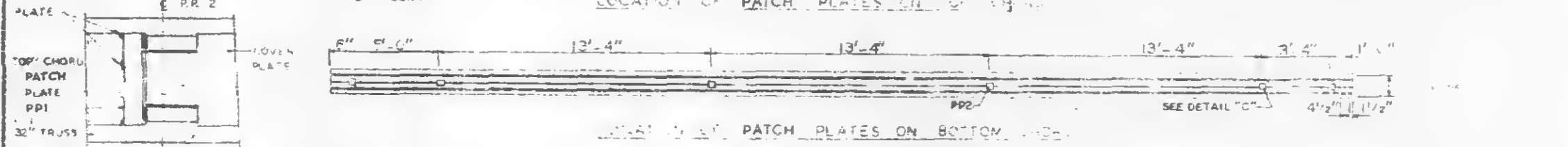
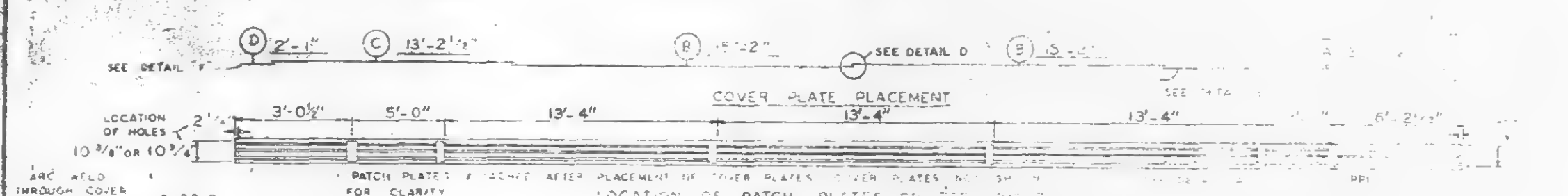
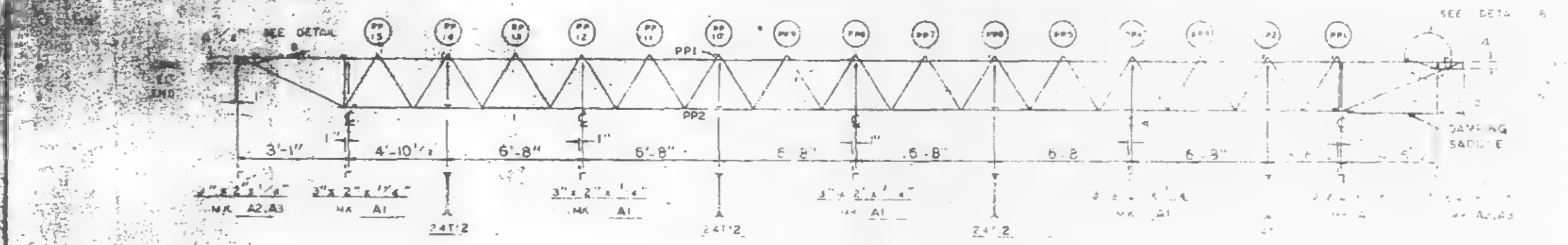
FABRICATION CONT. NO. 221

SHEET NO. FP CIE

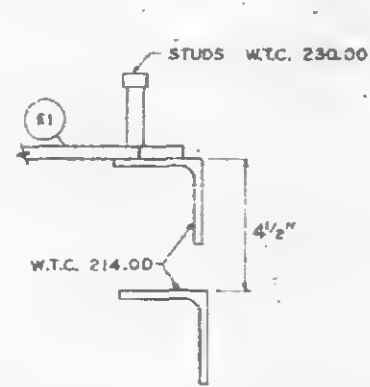


6 & 4 DIMENSIONS ARE RELATED TO HOLES PUT IN BEARING OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES.

PANEL NO. CIP SIZE 20'-0" x 57'-7"



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY WTC 223.00



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL			
MATERIAL	QTY	UNIT	REF.
FLOOR TRUSSES	1	TRUSS	57'-7"
BRIDGING TRUSSES	1	TRUSS	24T12
3" x 2" x 1/4" ANGLE	4	ANGLE	ST 400
DIAGONAL FLATS	2	FLAT	ST 400
PATCH PLATES	18	PLATE	ST 400
COVER PLATES	3	PLATE	ST 400
ANGLE CLIPS	21	CLIP	ST 400
"B" SHEAR ANCHOR	9	ANCHOR	ST 400
DAMPING SADDLE	2	SADDLE	ST 400
CONNECTION BAR	4	BAR	ST 400
CLOSURE UNIT	3	UNIT	ST 400
CONNECTION PLATES	5	PLATE	ST 400

LETTERS AND NUMBERS IN ELLIPSES, (A), (B), (C), (D), (E), (F), (G), (H), (I), (J), (K), (L), (M), (N), (O), (P), (Q), (R), (S), (T), (U), (V), (W), (X), (Y), (Z), (1), (2), (3), (4), (5), (6), (7), (8), (9), (10), (11), (12), (13), (14), (15), (16), (17), (18), (19), (20), (21), (22), (23), (24), (25), (26), (27), (28), (29), (30), (31), (32), (33), (34), (35), (36), (37), (38), (39), (40), (41), (42), (43), (44), (45), (46), (47), (48), (49), (50), (51), (52), (53), (54), (55), (56), (57), (58), (59), (60), (61), (62), (63), (64), (65), (66), (67), (68), (69), (70), (71), (72), (73), (74), (75), (76), (77), (78), (79), (80), (81), (82), (83), (84), (85), (86), (87), (88), (89), (90), (91), (92), (93), (94), (95), (96), (97), (98), (99), (100), (101), (102), (103), (104), (105), (106), (107), (108), (109), (110), (111), (112), (113), (114), (115), (116), (117), (118), (119), (120), (121), (122), (123), (124), (125), (126), (127), (128), (129), (130), (131), (132), (133), (134), (135), 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NO.	DATE	REVISION	BY

74 (N)

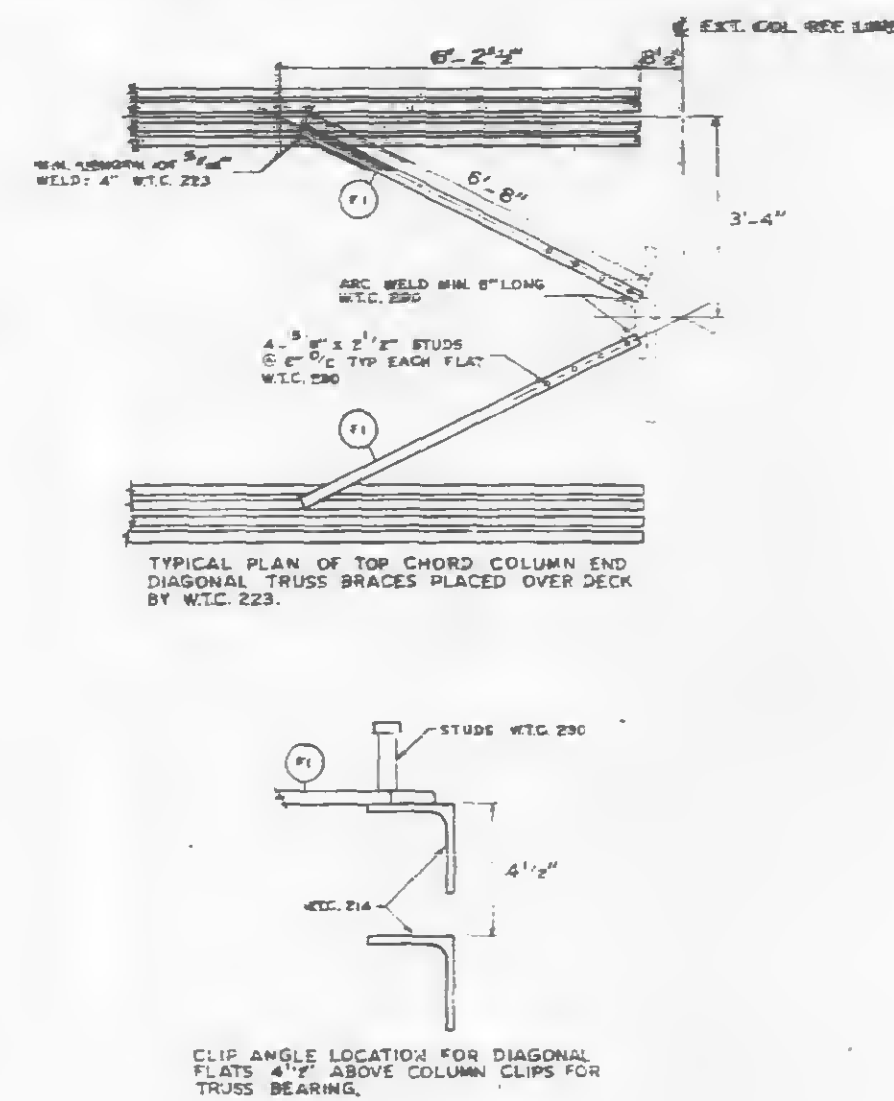
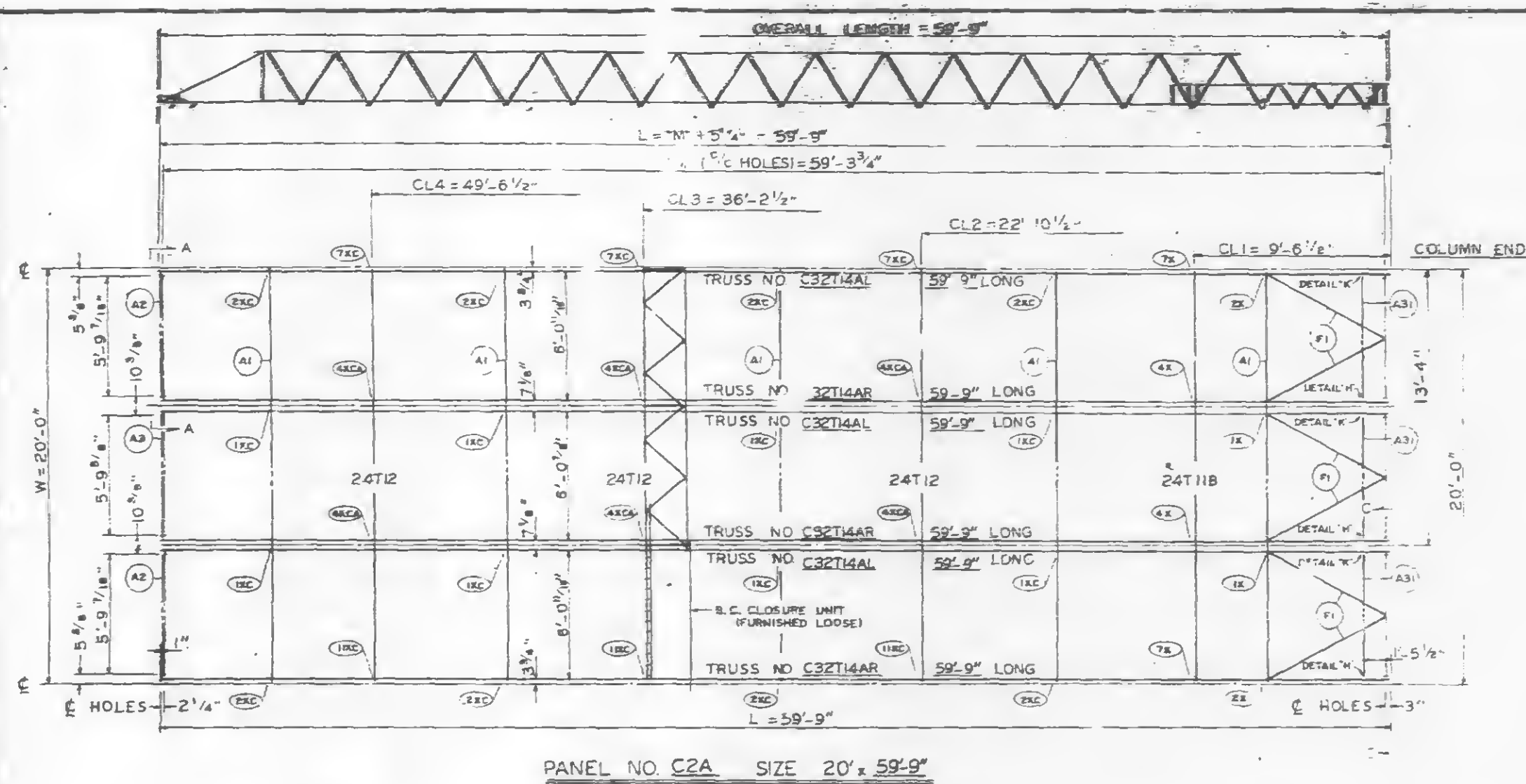
11/7/68

Y.T.M. CHU

IN CHARGE OF

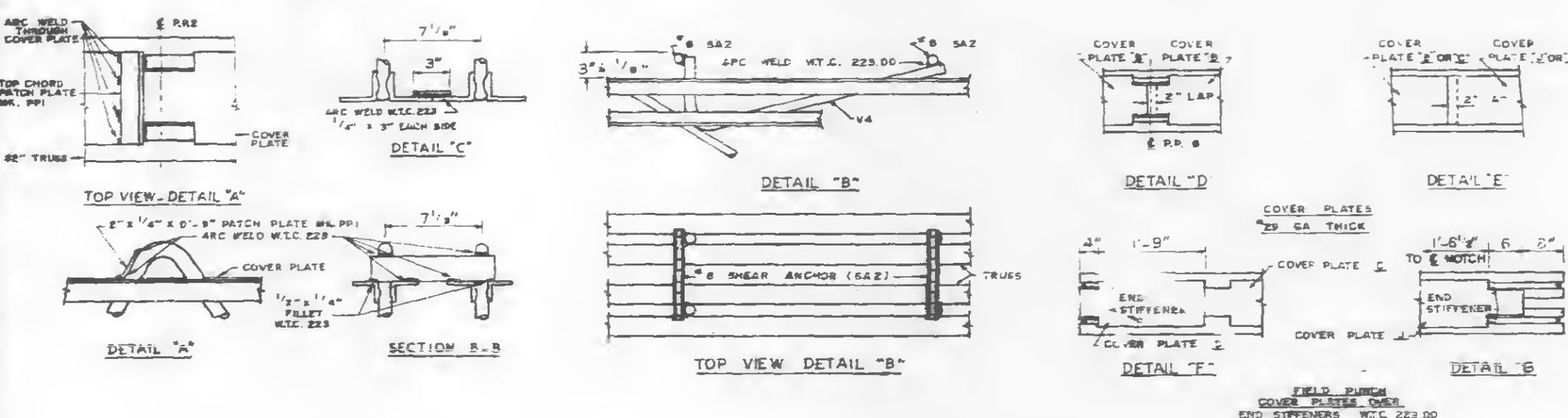
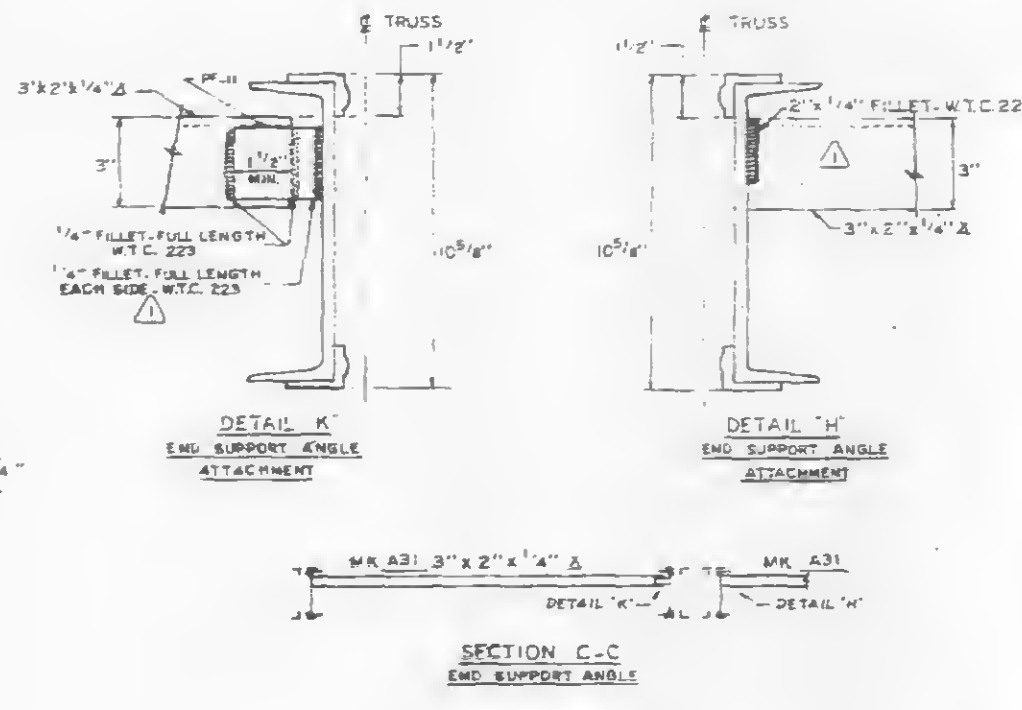
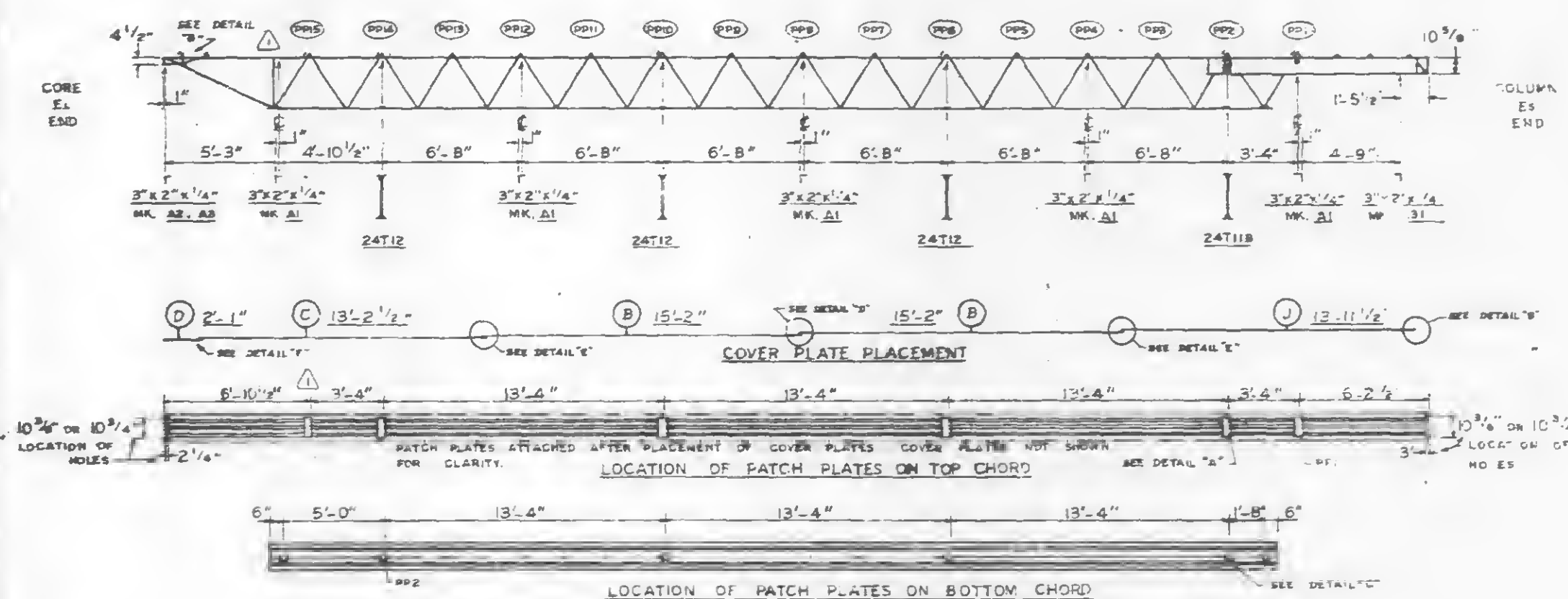
1800 REV

11/7/68



MATERIAL	QTY.	SIZE	REF.
FLOOR TRUSSES	3	C32T14AL x 59'-9"	ST 218
	3	C32T14AR x 59'-9"	ST 219
BRIDGING TRUSSES	1	24T12 x 11"	BT 218
	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	3	1 1/4" x 6'-6 1/2" TUBE	BT 212
	5	3" x 2" x 1/4" x 10'-11"	ST 403
	2	3" x 2" x 1/4" x 5'	ST 403
	1	3" x 2" x 1/4" x 4'	ST 403
	3	3" x 2" x 1/4" x 5'-8"	ST 410
3" x 2" x 1/4" ANGLE			
CLOSURE PLATES	3	3" x 1/4" x 0'-2 1/2"	ST 412
DIAGONAL FLATS	6	1 1/2" x 5' x 6'-8"	ST 402
PATCH PLATES	18	2" x 1/4" x 0'-9"	ST 400
	18	3" x 1/4" x 0'-3"	ST 400
COVER PLATES	6	9" x .0135" x 15'-2"	ST 303
	3	9" x .0135" x 2'-1"	ST 303
	3	9" x .0135" x 15'-11 1/2"	ST 304
ANGLE CLIPS	21	2" x 1/2" x .25" x 0'-6"	ST 400
"B" SHEAR ANCHOR	6	"B" BEBAR x 0'-9"	ST 400
CONNECTION BAR	5	1" x 1'-3"	ST 400
CONNECTION PLATES	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	4	4 1/2" x .39" x 0'-9"	ST 400
	1	4 1/2" x .39" x 1'-0"	ST 400
	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS. (R) ALL CONNECTION DETAILS FOR FLOORS 25, 50 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229. UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1/4" FULL THROAT FILLET.



FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH) / 1

PANEL C2A - 20' x 59'-9"

FABRICATED BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-28

DATE DEC. 5, 1968

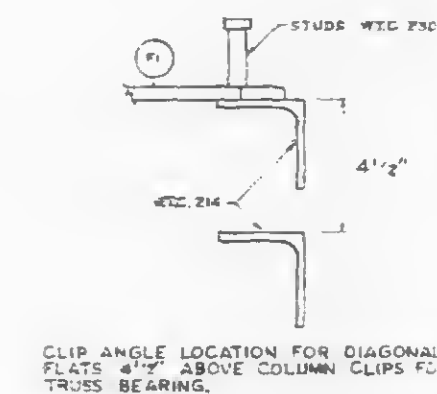
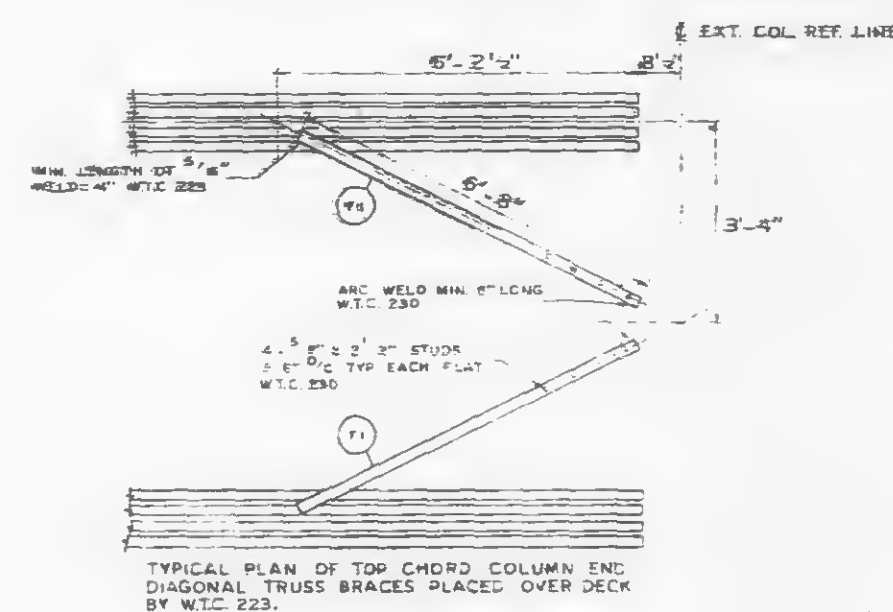
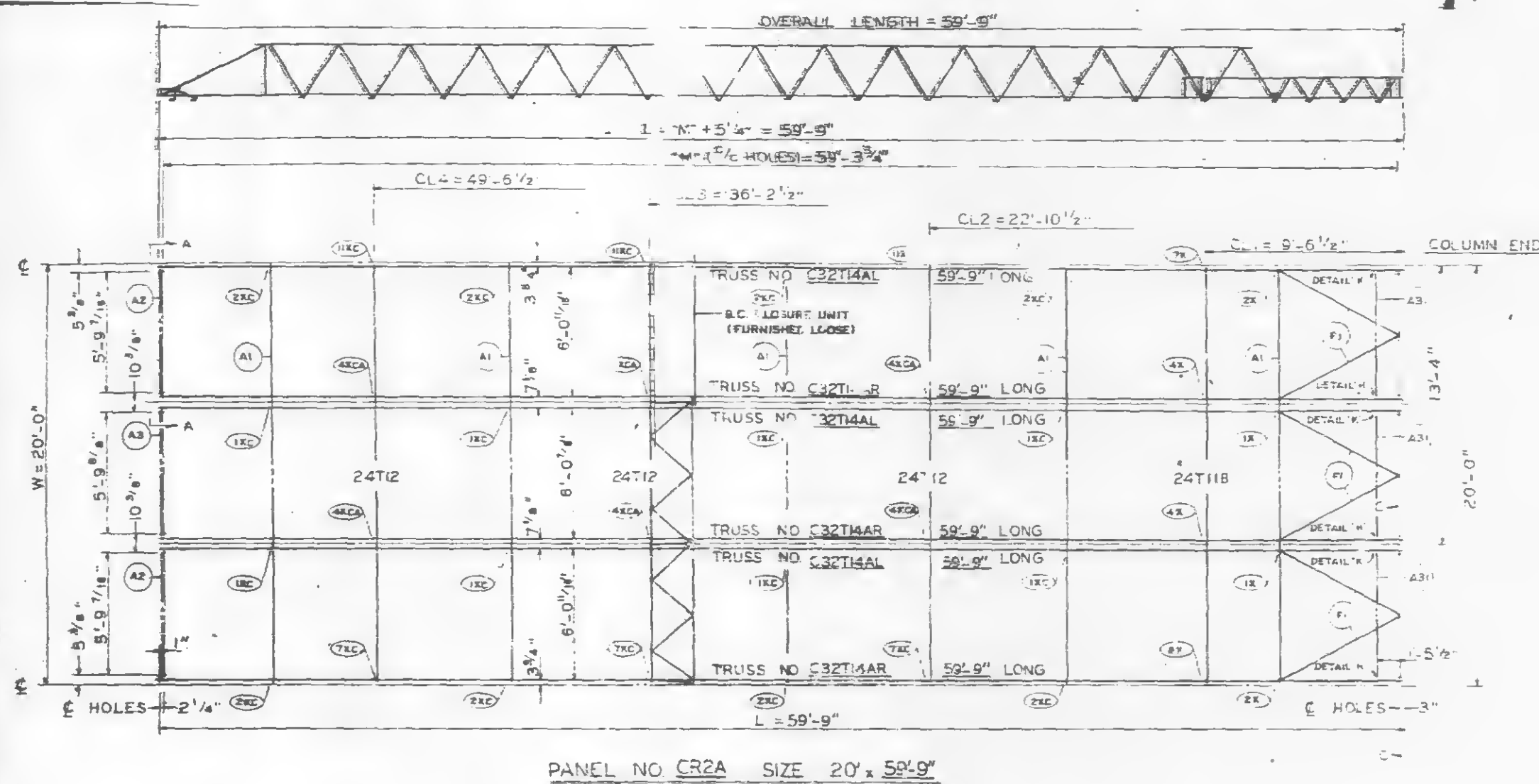
DRAWN BY J.P.

CHECKED BY T.M. CALHA

IN CHARGE OF PROD. DEPT.

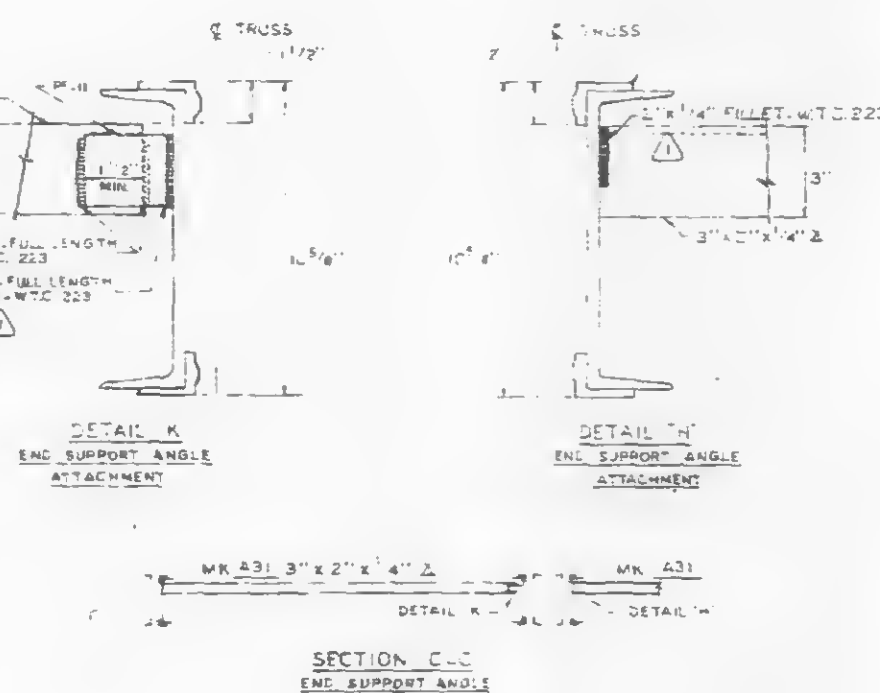
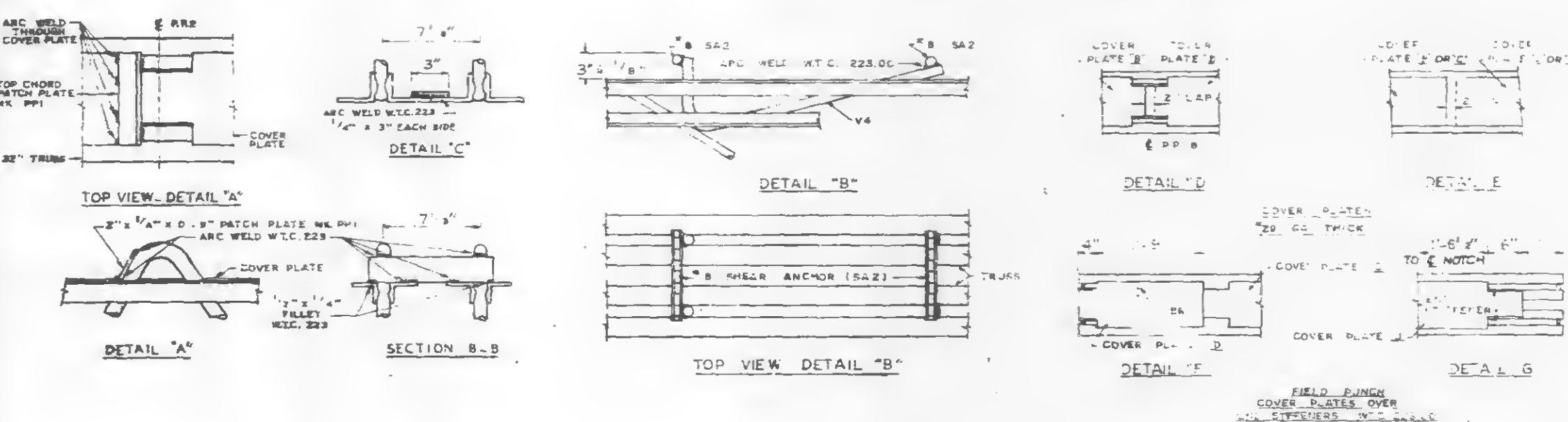
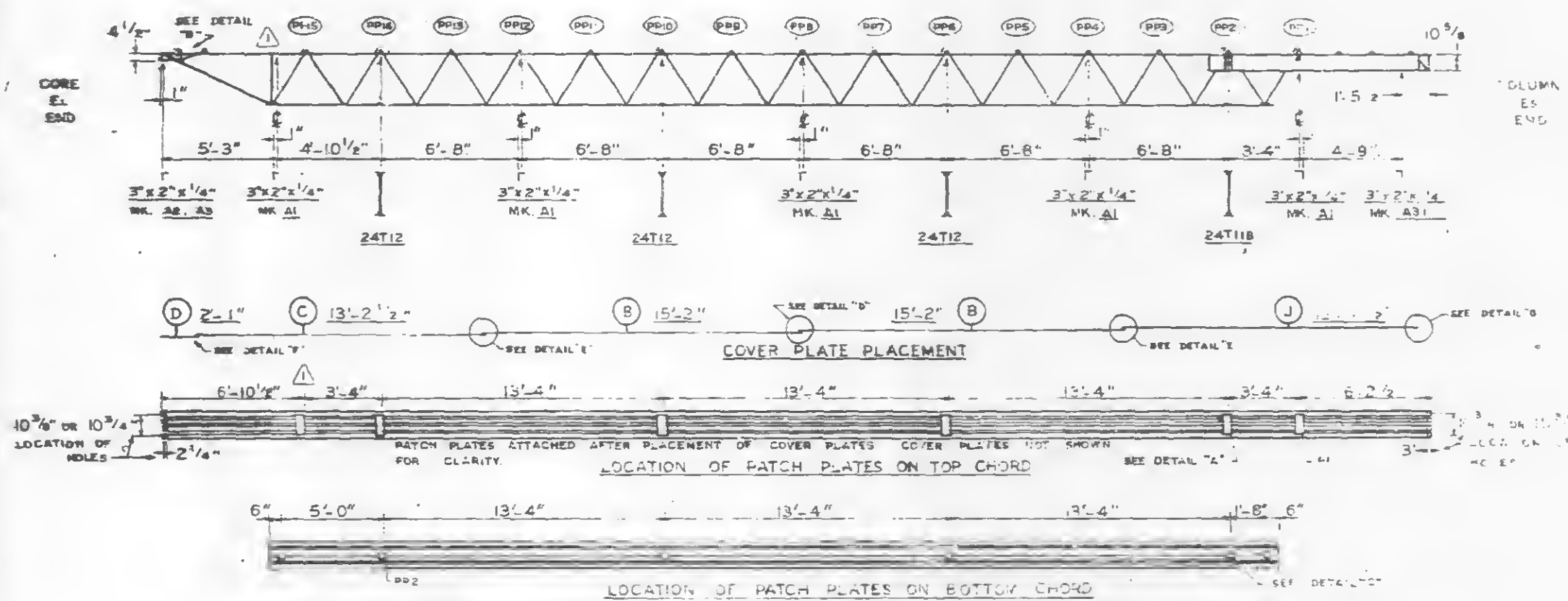
FABRICATION CONT. NO. 221

SHEET NO. FP C2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	QTY.	SIZE	STANDARD	
FLOOR TRUSSES	1	24T12	24T12	212
BRIDGING TRUSSES	1	24T12	24T12	212
CLOSURE UNIT	1	24T12	24T12	212
DIAGONAL FLATS	1	24T12	24T12	212
PATCH PLATES	1	24T12	24T12	212
COVER PLATES	1	24T12	24T12	212
ANGLE CLIPS	1	24T12	24T12	212
8" SHEAR ANCHOR	1	24T12	24T12	212
CONNECTION BAR	1	24T12	24T12	212
CONNECTION PLATES	1	24T12	24T12	212

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS. ALL CONNECTION DETAILS FOR FLOORS 25, 50 & 82 ARE SHOWN ON SHEETS CD 210 THRU CD 228. UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	SDC

REF. DRWG.	7-AB3-29	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB2-7	7-22-68
	7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. & FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL CR2A - 20' x 59'9"

FABRICATION BY LACED STEEL COMPANY

FABRICATION AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-29

DATE DEC. 5, 1968

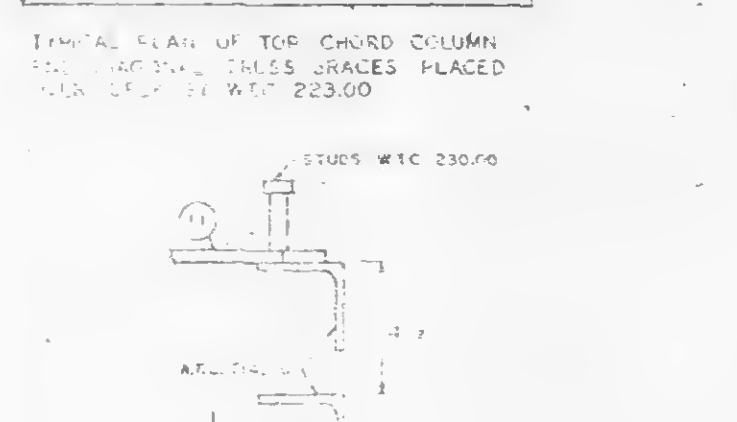
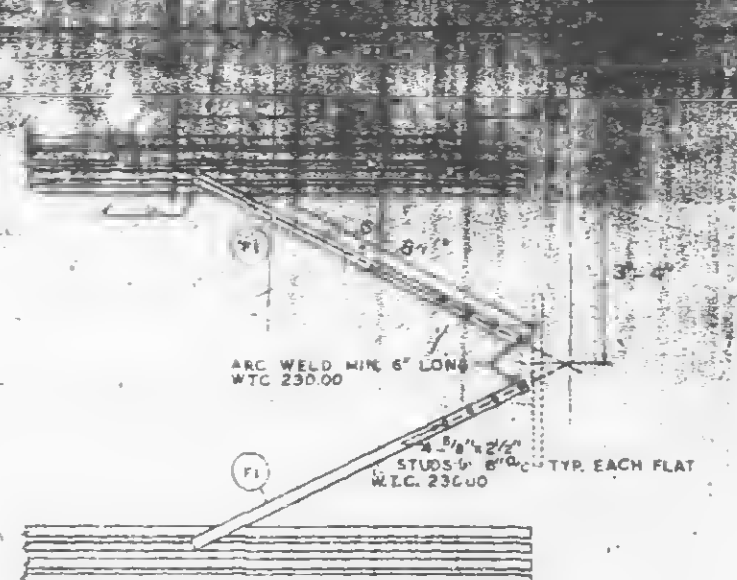
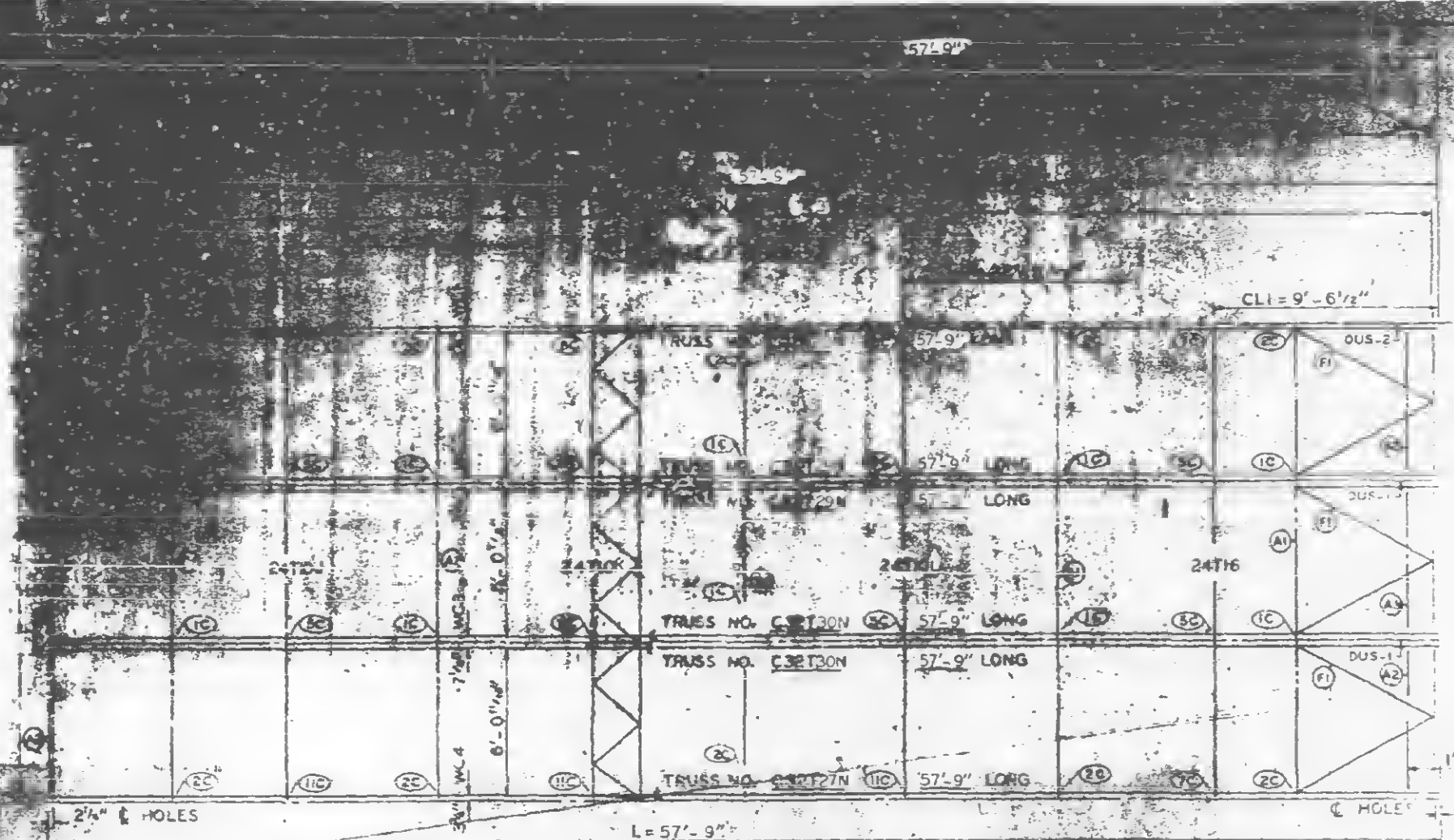
CHECKED BY J.N. CHURCH

DATE DEC. 5, 1968

FABRICATION CONT. NO. 22

SHEET NO. 22

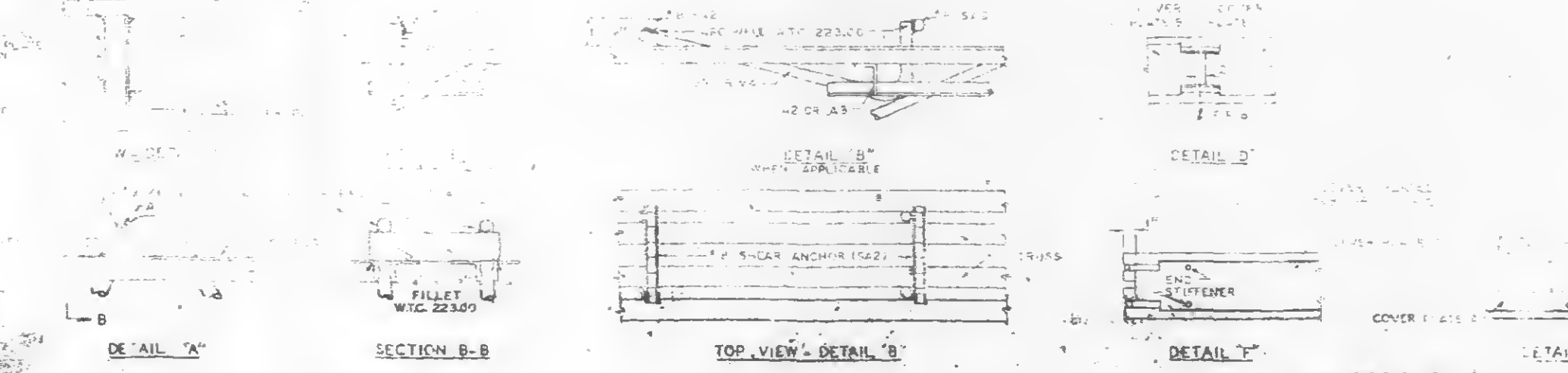
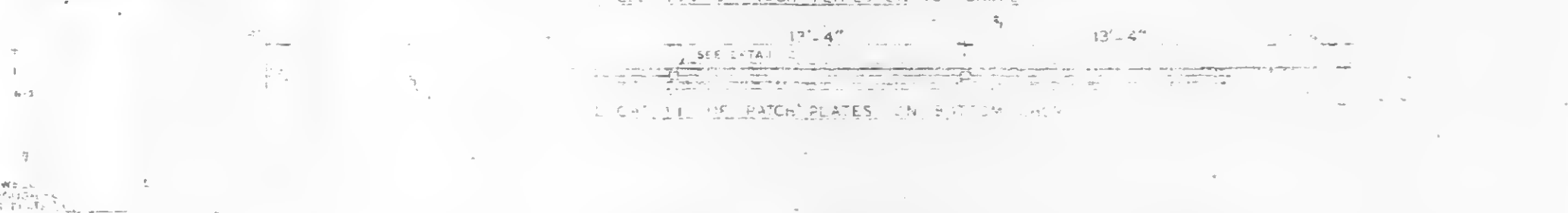
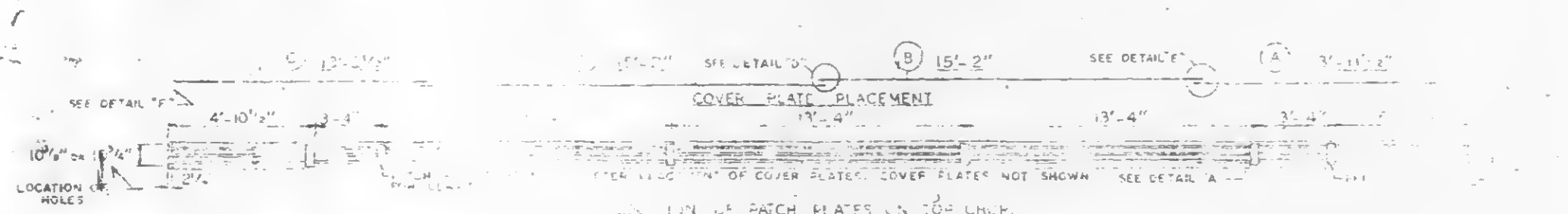
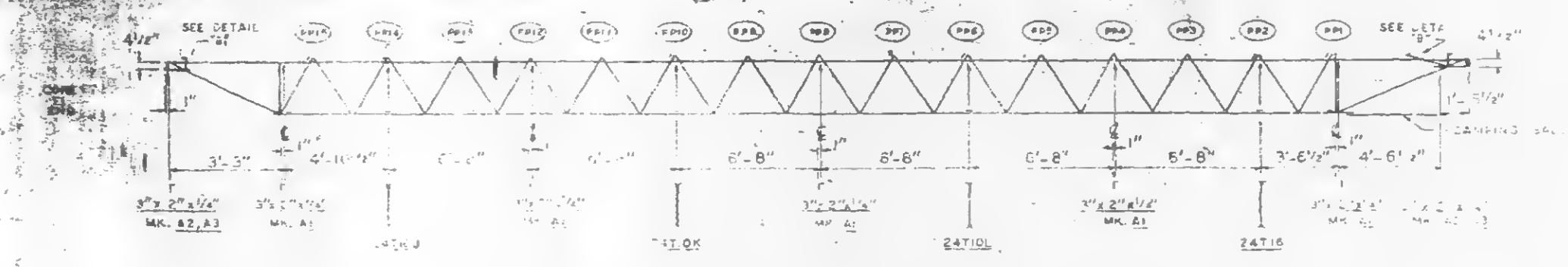
PROD. NO. 22



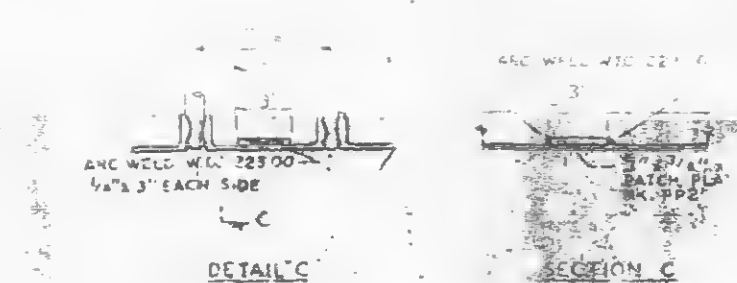
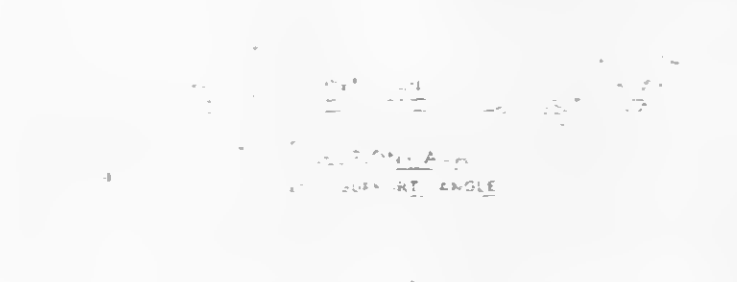
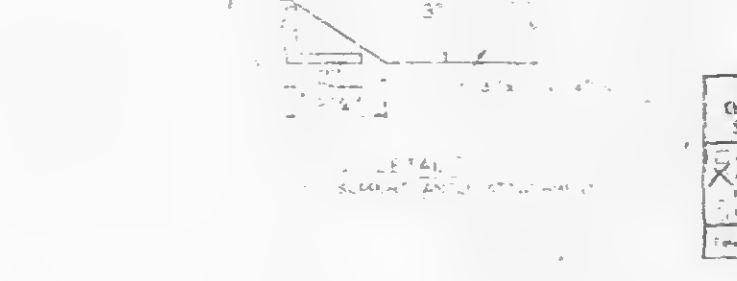
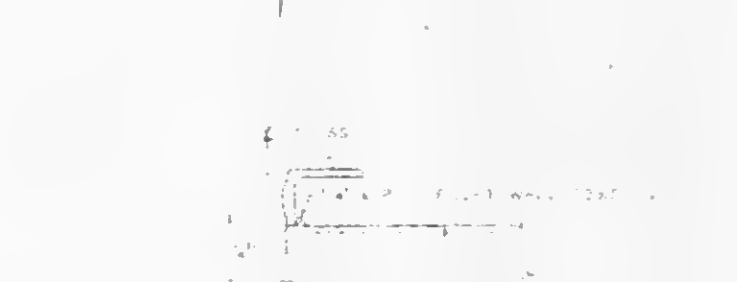
REQUIRED MATERIAL	QUANTITY	SIZE	UNIT
FLOOR TRUSSES	100	24T10-57'-9"	ST 227N
BRIDGING TRUSSES	100	24T10-57'-9"	ST 227N
3" x 2" x 1/4" ANGLE	100	3" x 2" x 1/4"	ST 403
DIAGONAL PLATES	100	1" x 1/4" x 10'-0"	ST 400
PATCH PLATES	100	3" x 2" x 1/4"	ST 403
COVER PLATES	100	1" x 1/4" x 10'-0"	ST 400
ANGLE CLIPS	100	1" x 1/4" x 10'-0"	ST 400
W/ SHEAR ANCHOR	100	1" x 1/4" x 10'-0"	ST 400
DAMPING SADDLE	100	1" x 1/4" x 10'-0"	ST 400
CONNECTION BAR	100	1" x 1/4" x 10'-0"	ST 400
CONNECTION PLATES	100	1" x 1/4" x 10'-0"	ST 400

NOTES: 1. ALL WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. 2. UNLESS OTHERWISE SHOWN, ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

THESE HOLES ARE RELATED TO HOLES PUT IN FLOOR TRUSSES WHICH ARE SIMILAR. THEY DO NOT EXACTLY ALIGN WITH HOLES ON THE COLUMN CLIPS & BRACES.



ALL ANGLES TO BE 4" x 4" x 1/4" OR 4" x 4" x 1/4" PLATES 4" x 4" x 1/4" ABOVE TO MIN. C. L. FOR TRUSS BEARING.



NO.	DATE	REVISION	BY
1	7-22-68		
2	1-6-69		
3	10-15-71		
4	7-26-77		
5	10-15-77		
6	10-15-77		
7	7-22-78		

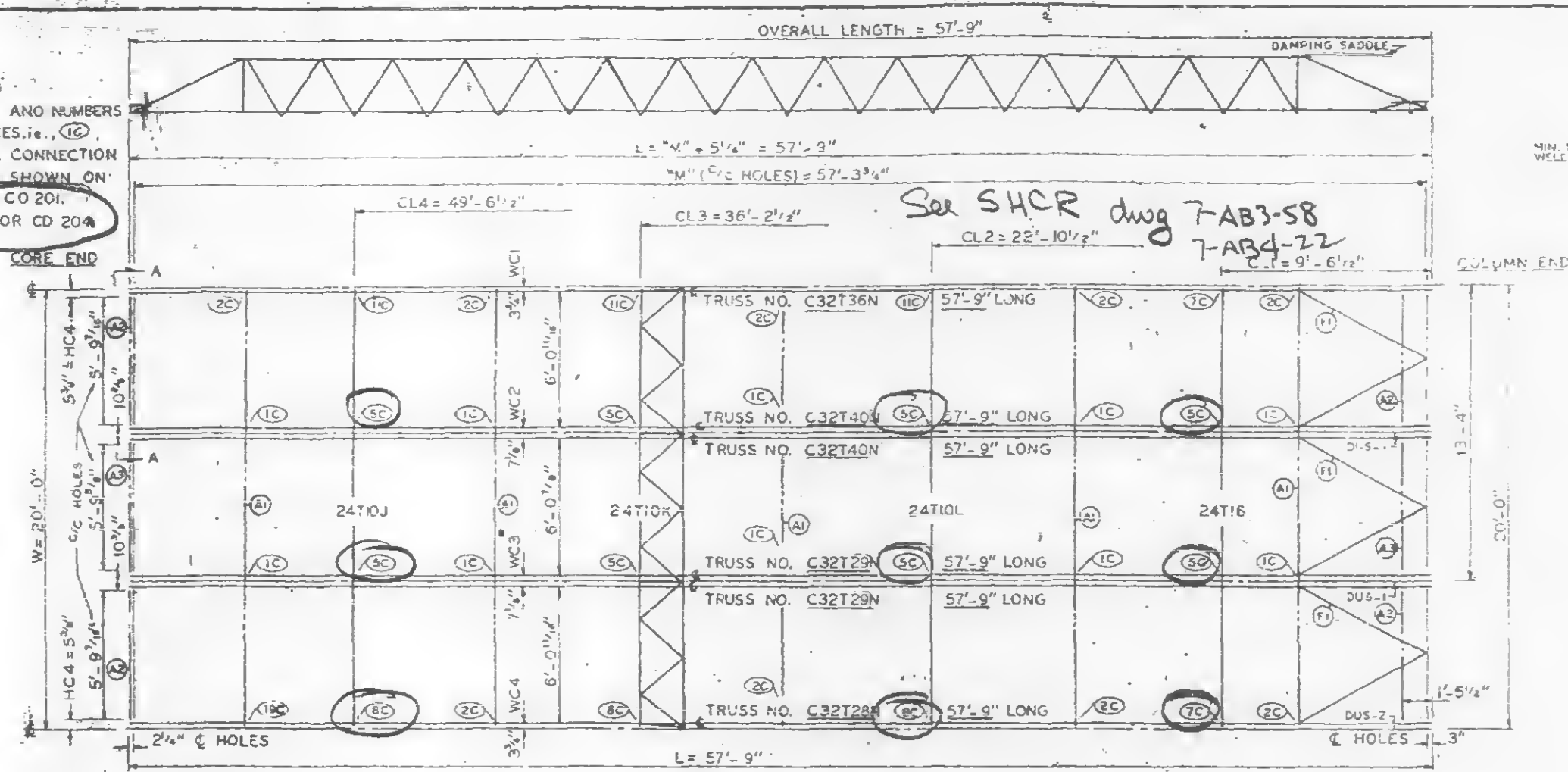
REF. OF WELD: 1. 7-22-68 2. 1-6-69 3. 10-15-71 4. 7-26-77 5. 10-15-77 6. 10-15-77 7. 7-22-78

44 INORTH & SOUTH

BRIDG B FLOORS - 44 (EAST & WEST)

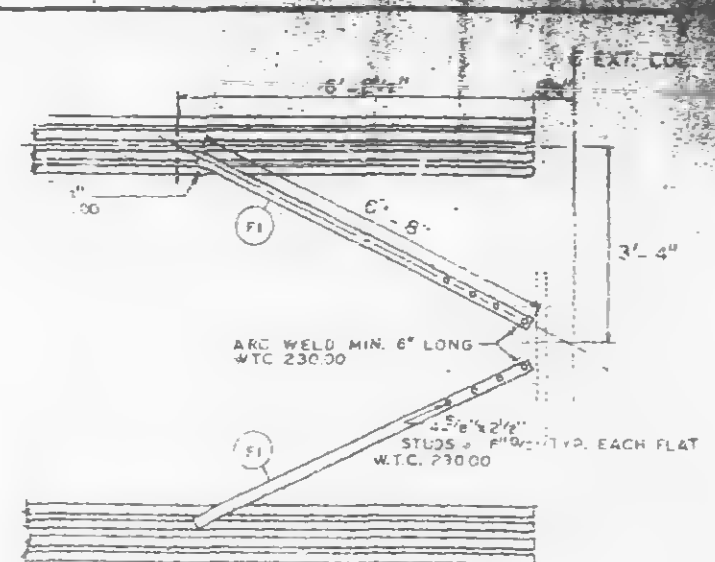
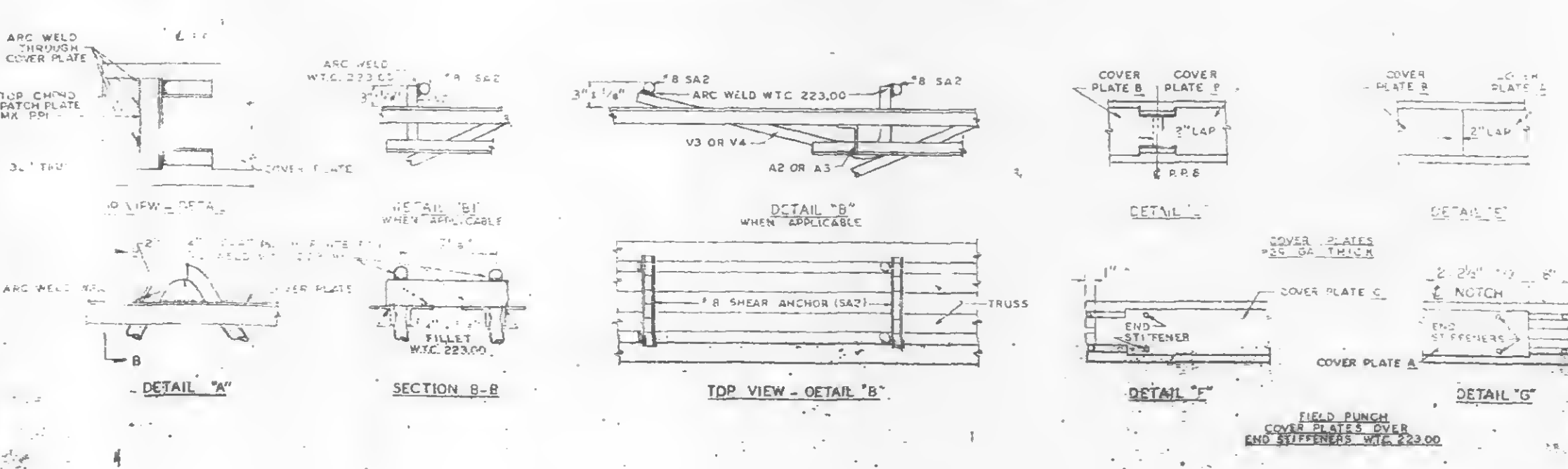
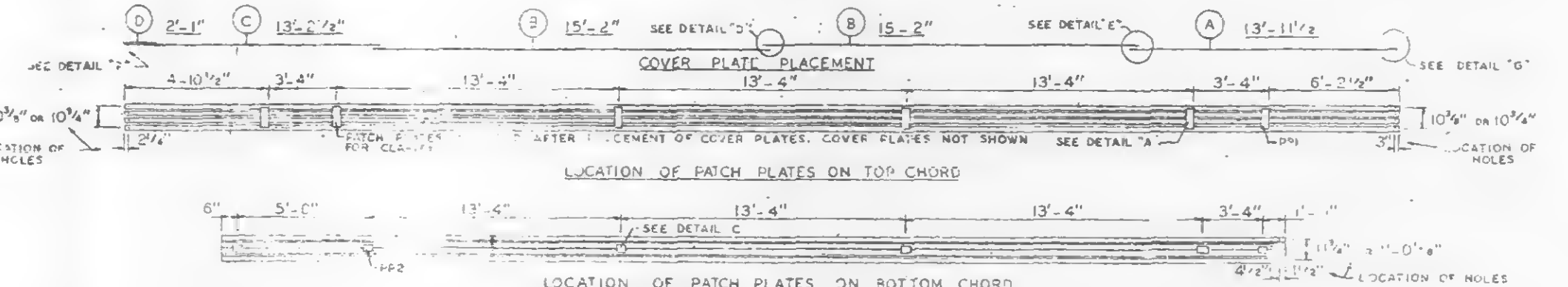
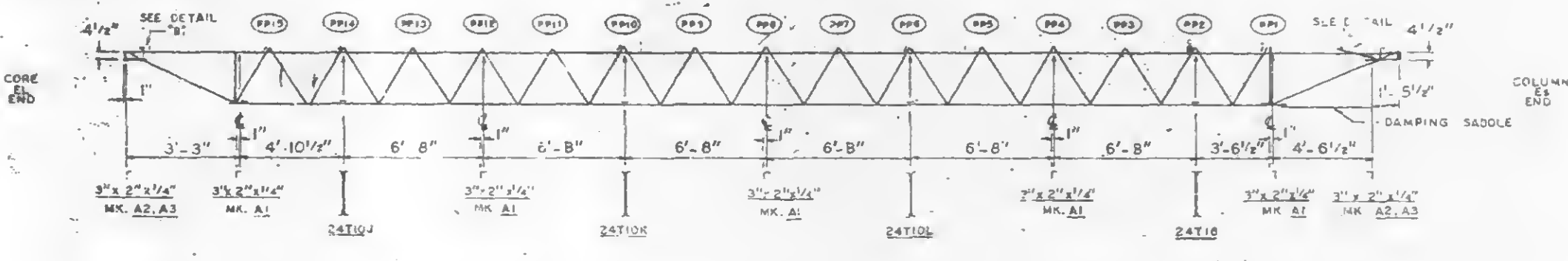
FABRICATED AT MADISON, ILLINOIS. DESIGN DRAWING NO. 7-22-68. DATE MARCH 26, 1968. CHECKED BY T. CHURCH. SHEET NO. 221. FABRICATION CONT. NO. 221.

LETTERS AND NUMBERS IN ELLIPSES, i.e., (10), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CO 201, CO 202, OR CD 204.

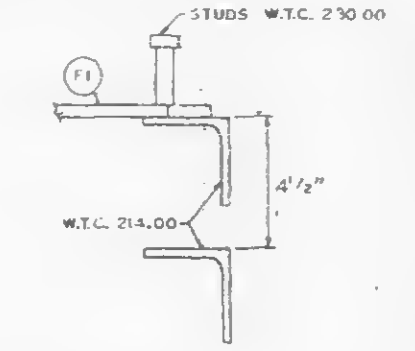


LETTERS AND DIMENSION HCA ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE 1 ON THE COLUMN CLIPS & BRACES.

PANEL NO. D8N SIZE 20' x 57'-9"



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY WTC 230.00



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE
BRIDGING TRUSSES				
3" x 2" x 1/2" ANGLE				
DIAGONAL FLATS				
PATCH PLATES				
COVER PLATES				
ANGLE CLIPS				
W.B. SHEAR ANCHOR				
DAMPING SADDLE				
CONNECTION BAR				
CONNECTION PLATES				

NOTES: 1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUIV. 2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELLS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

STAMP: CHRISTIANSEN-ROBERTSON Structural & Civil Engineers

R.F. ORWGS.	7-AB2-5 & 11	7-26-68
	7-AB3-58	1-6-69
	7-AB4-3	10-15-68
	7-AB4-15 & 16	7-26-68
	7-AB4-42	10-15-68
	7-124	10-15-68
	7-191-5	10-15-68
	7-191-2 & 3	7-26-68

FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. THE PORT OF NEW YORK AUTHORITY

LDG. A FLOORS 44 SOUTH ONLY

PANEL D8N - 20' x 57'-9"

FABRICATION BY: AGLECE STEEL COMPANY

DESIGN: DRAWING NO. 7-AB2-58

AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY: DATE: DATE MARCH 25, 1969

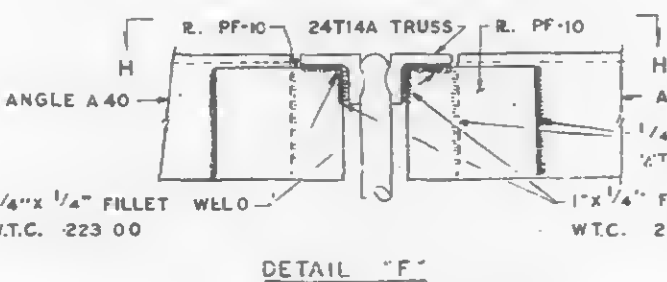
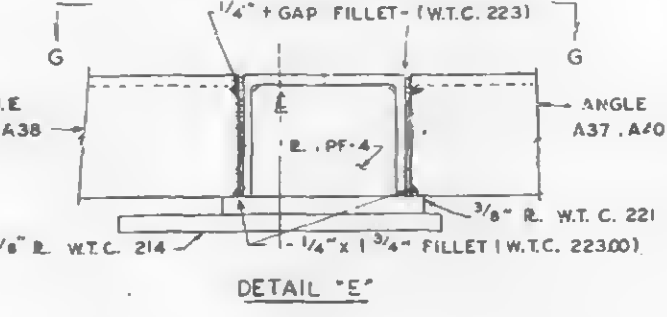
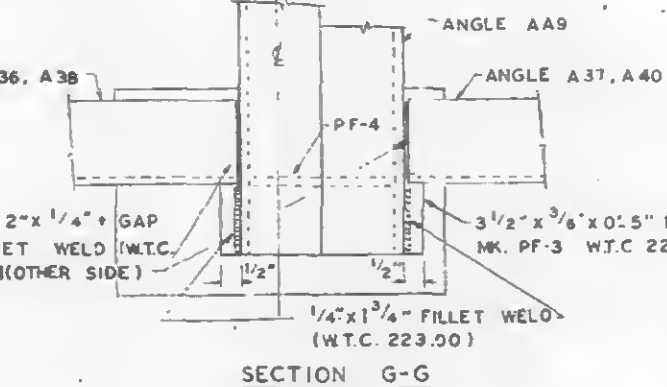
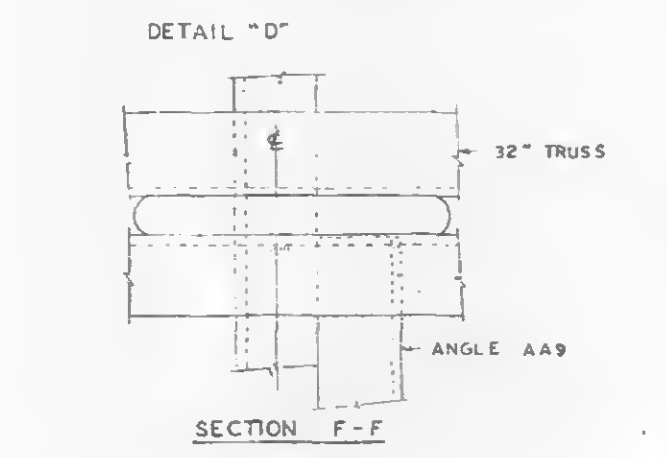
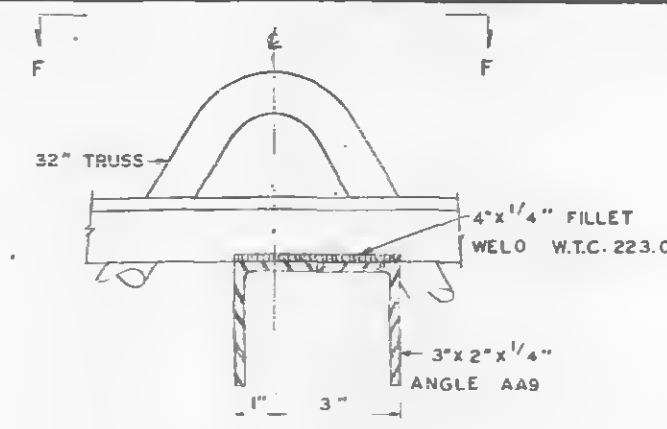
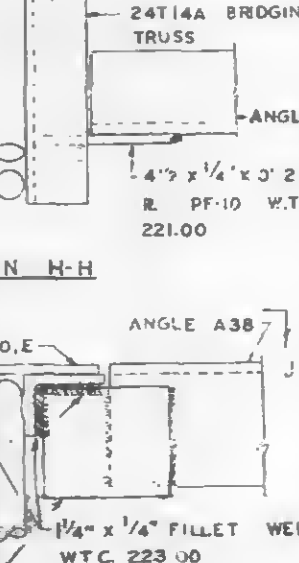
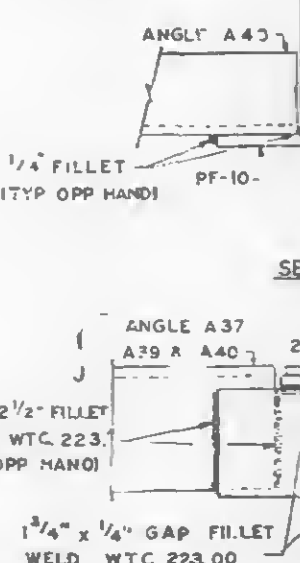
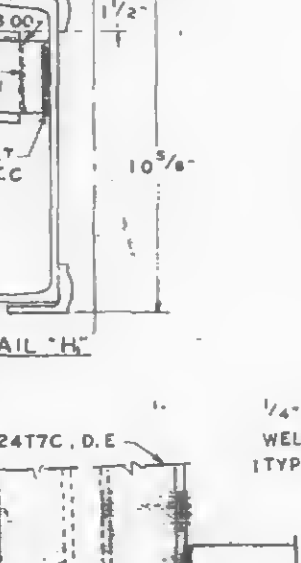
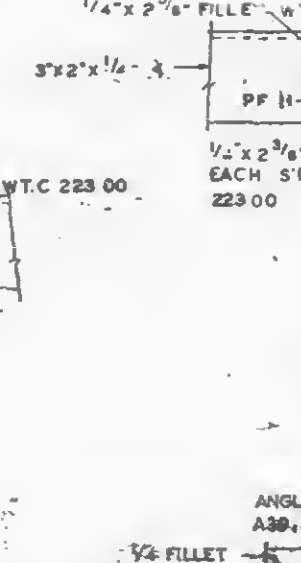
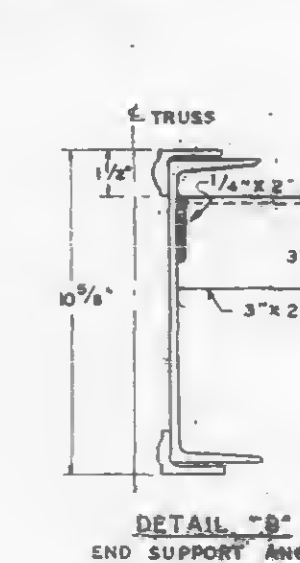
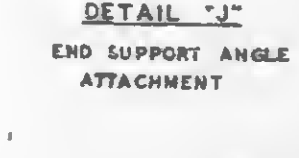
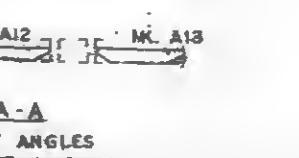
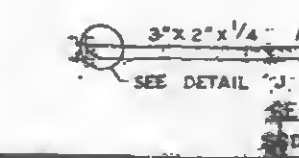
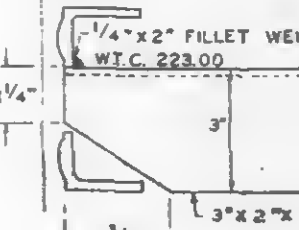
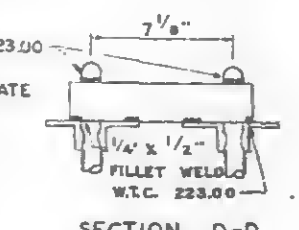
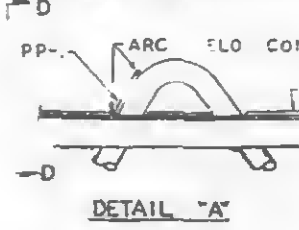
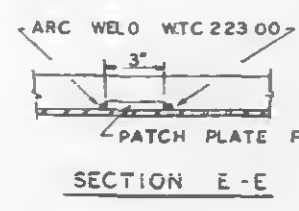
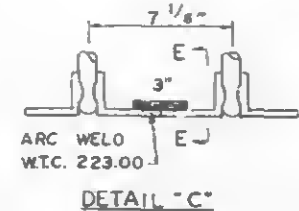
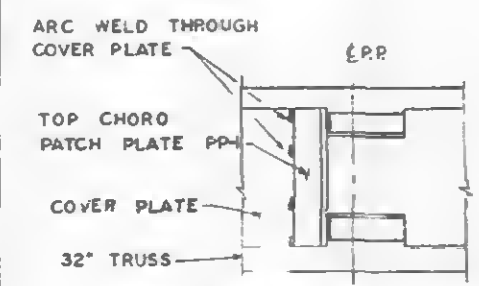
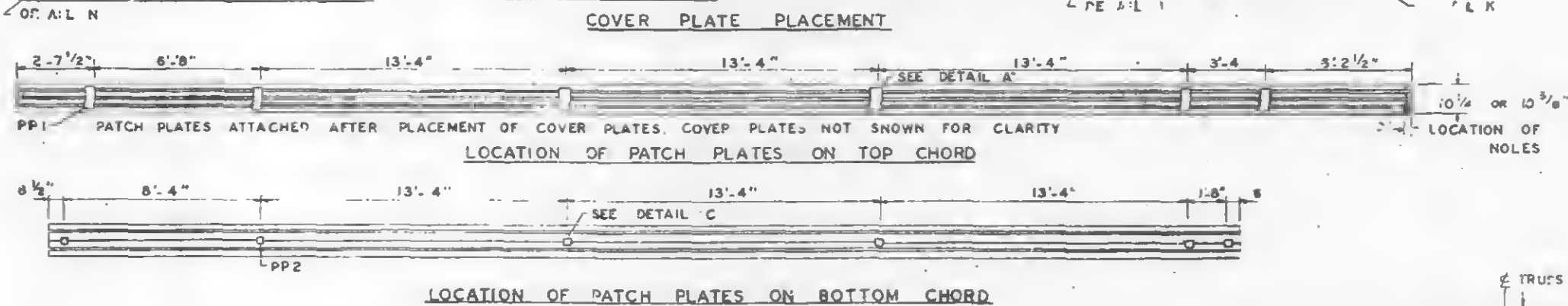
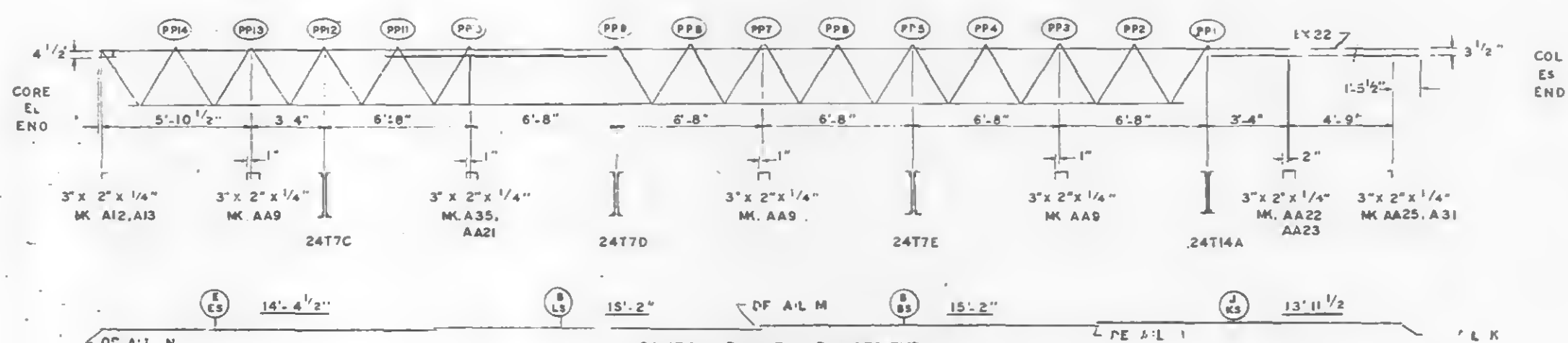
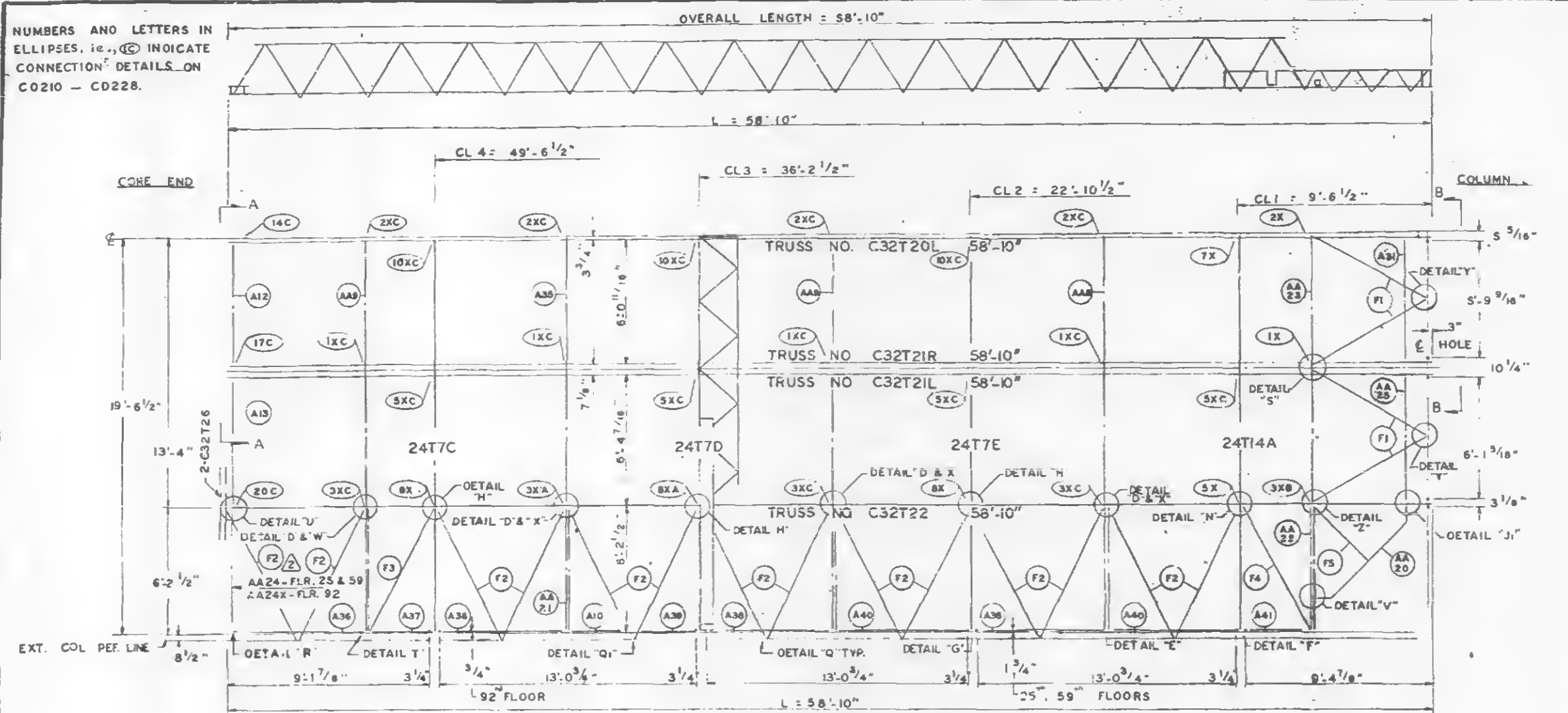
APPROVED FOR FABRICATION BY: DATE: DATE MARCH 25, 1969

DATE: DATE MARCH 25, 1969

WTC 221

PROJ. DEV. SHEET NO. FP D8N

NUMBERS AND LETTERS IN
ELLIPSES, IN CIRCLES, INDICATE
CONNECTION DETAILS ON
C0210 - C0228.



REQUIRED MATERIAL PER PANEL					REF.
MATERIAL	MK	PCS	SIZE	DRWG	
FLOOR TRUSSES	T20L	1	C32T20L-58'-10"	ST 220L	
	T21L	1	C32T21L-58'-10"	ST 221L	
	T22	1	C32T22-58'-10"	ST 222	
BRIDGING TRUSSES	T7C	1	24T7C-19'-6"	BT 207C	
	T7O	1	24T7O-19'-6"	BT 207O	
	T7E	1	24T7E-19'-6"	BT 207E	
3"x 2"x 1/4" ANGLES	T4A	1	24T4A-19'-6"	BT 214A	
	A10	1	3"x 2"x 1/4"x 5'-11 1/8"	ST 404	
	A12	1	3"x 2"x 1/4"x 5'-11 1/8"	ST 404	
	A13	1	3"x 2"x 1/4"x 5'-11 1/8"	ST 404	
	A31	1	3"x 2"x 1/4"x 5'-11 1/8"	ST 410	
	A36	1	3"x 2"x 1/4"x 5'-11 1/8"	ST 410	
	A37	1	3"x 2"x 1/4"x 5'-11 1/8"	ST 410	
	A38	3	3"x 2"x 1/4"x 5'-11 1/8"	ST 410	
	A39	1	3"x 2"x 1/4"x 5'-11 1/8"	ST 410	
	A40	2	3"x 2"x 1/4"x 5'-11 1/8"	ST 410	
	A41	1	3"x 2"x 1/4"x 5'-11 1/8"	ST 410	
	A45	1	3"x 2"x 1/4"x 5'-11 1/8"	ST 410	
ANGLE ASSEMBLY	AA21	1	SEE REF. DRWG.	ST 411	
	AA22	1	SEE REF. DRWG.	ST 411	
	AA23	1	SEE REF. DRWG.	ST 412	
	AA24	1	SEE REF. DRWG.	ST 412	
	AA25	1	SEE REF. DRWG.	ST 412	
PATCH PLATES	PP1	6	2"x 1/4" x 0'-9"	ST 400	
	PP2	6	3"x 3/8" x 0'-3"	ST 400	
COVER PLATES	A	1	9"x 0.035" x 13'-11 1/2"	ST 303	
	KS	1	3 1/2" x 0.035" x 13'-11 1/2"	ST 303	
	B	2	9"x 0.035" x 15'-2"	ST 303	
	LS	1	3 1/2" x 0.035" x 15'-2"	ST 303	
	E	1	9"x 0.035" x 14'-4 1/2"	ST 303	
ANGLE CLIPS**	C1	12	2 1/2" x 1 1/2" x 5'-8"	ST 400	
	C2	12	2 1/2" x 1 1/2" x 5'-8"	ST 400	
	F1	4	1 1/2" x 1 1/2" x 6'-8"	ST 402	
	F2	4	1 1/2" x 1 1/2" x 6'-8"	ST 402	
	F3	1	1 1/2" x 1 1/2" x 6'-11 1/4"	ST 402	
DIAGONAL FLATS	F4	1	1 1/2" x 1 1/2" x 7'-0"	ST 402	
	FS	1	1 1/2" x 1 1/2" x 4'-4"	ST 402	
	PF-1	2	1 1/2" x 1 1/2" x 0'-4"	ST 400	
	PF-3	3	3 1/2" x 1 1/2" x 0'-5"	ST 400	
	PF-7	1	5" x 3" x 0'-4"	ST 401	
MISC. PLATES	PF-8	3	3 1/2" x 1 1/2" x 0'-2 1/8"	ST 401	
	PF-10	8	4 1/2" x 1 1/2" x 0'-2 1/8"	ST 401	
	PF-11	1	3" x 1 1/4" x 0'-2 1/8"	ST 412	
	EX	1	SEE REF. DRWG.	ST 222	
	22	1	SEE REF. DRWG.	ST 222	

** NUMBER OF PIECES OF MK. C1 & C2 WILL BE CORRECT AFTER FLOOR 32, TOWER A, PIECES FOR FLOORS 10-32 IS C1, NONE - C2 SIXTEEN (16).

NO.	DATE	REVISION	BY
7-1-69	AS NOTED		G.D.C.
2-5-69	GENERAL		G.D.C.

SEE SHEET PP-F2-2 FOR NOTES, REF. DRWG. & ADDITIONAL OF AIS.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59 & 92 (NORTH & SOUTH)

PANEL F2 19'-6" x 58'-10"

BLDG. B FLOORS 25, 59 & 92 (EAST & WEST)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT: MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-34

DATE FOR FABRICATION: 1/16/69

DATE FOR FABRICATOR: 1/16/69

APPROVED FOR FABRICATION: DATE 1/16/69

CHECKED BY: T.M. CHURRA

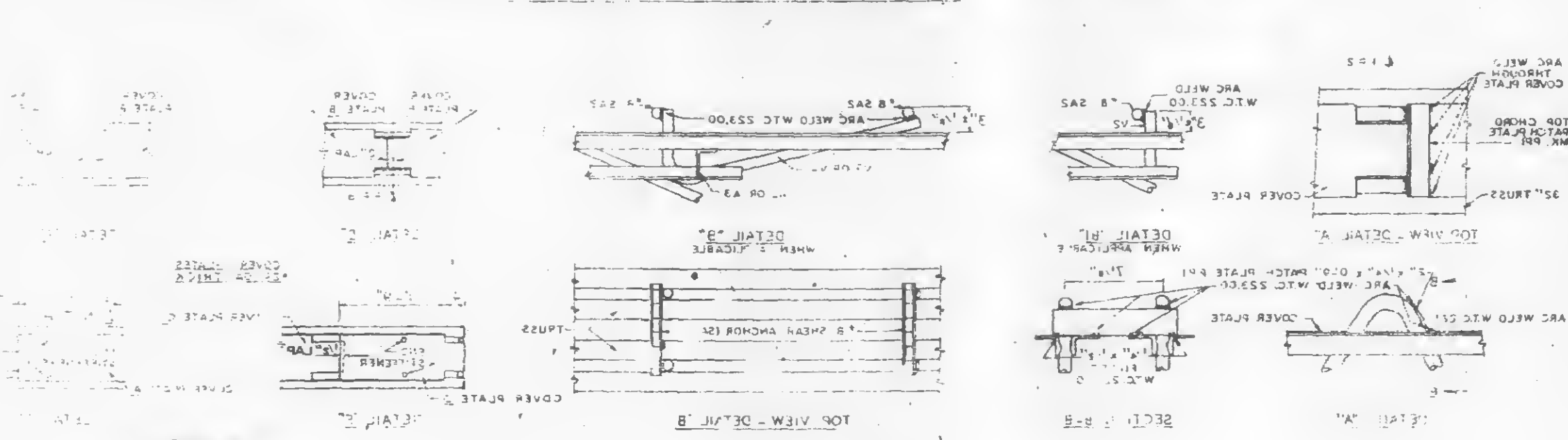
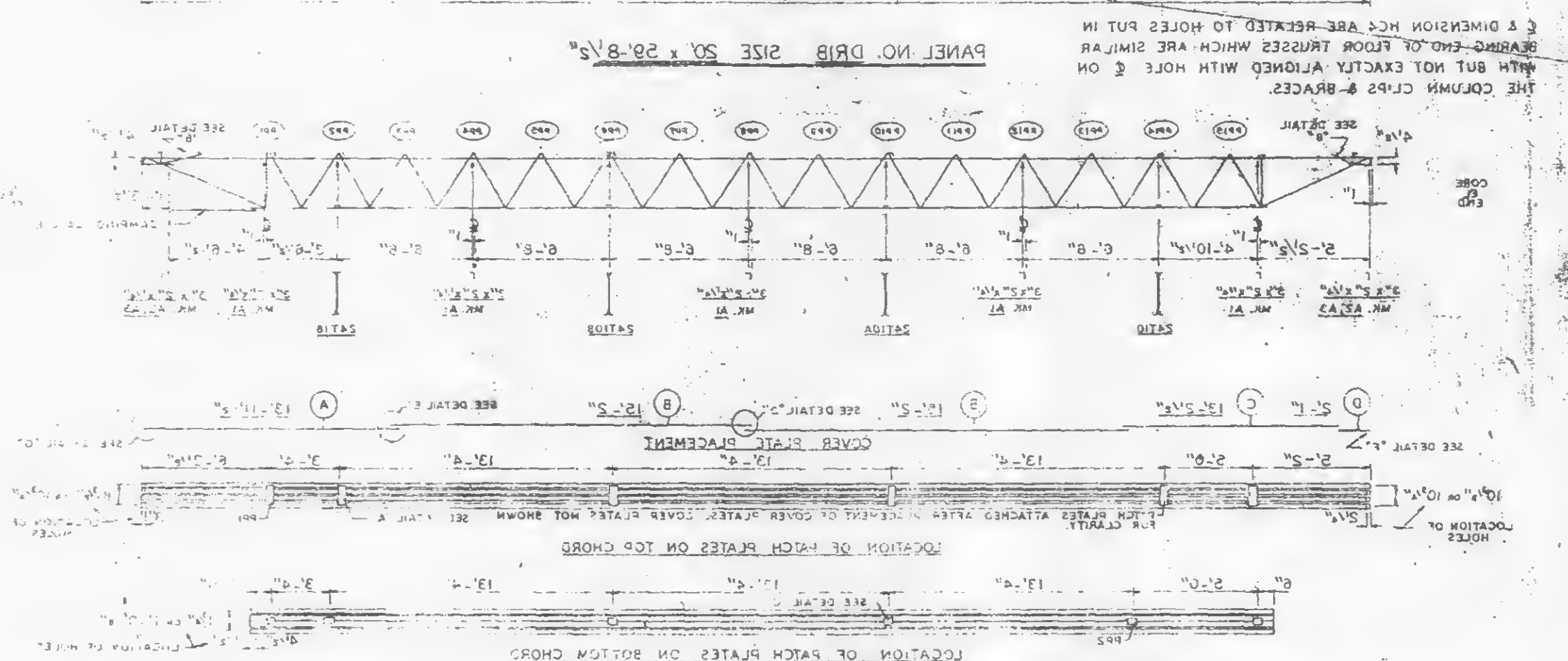
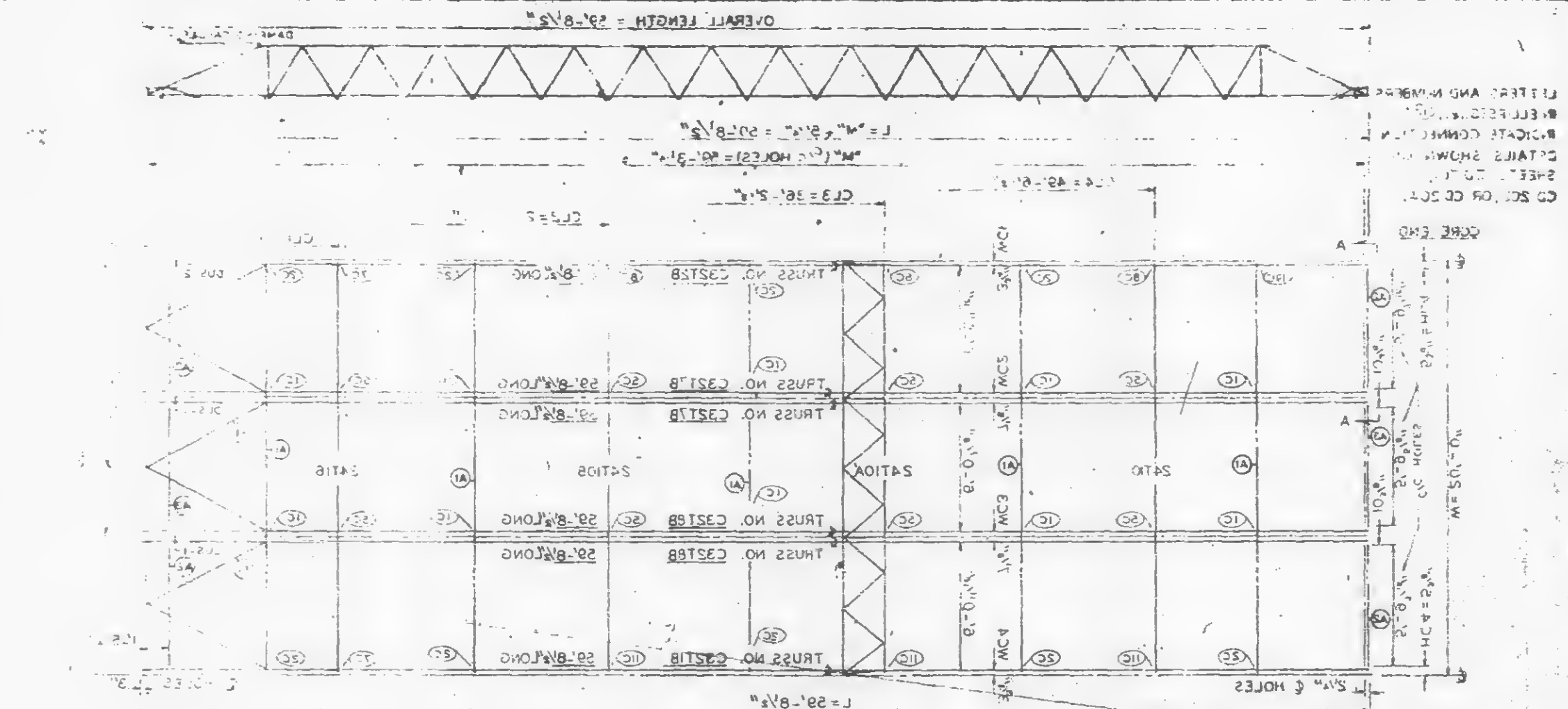
DATE DEC 1968

FABRICATION CONT. NO. W.T.C. 221

IN CHARGE OF PROD. DEV.

SHEET NO. FP-F2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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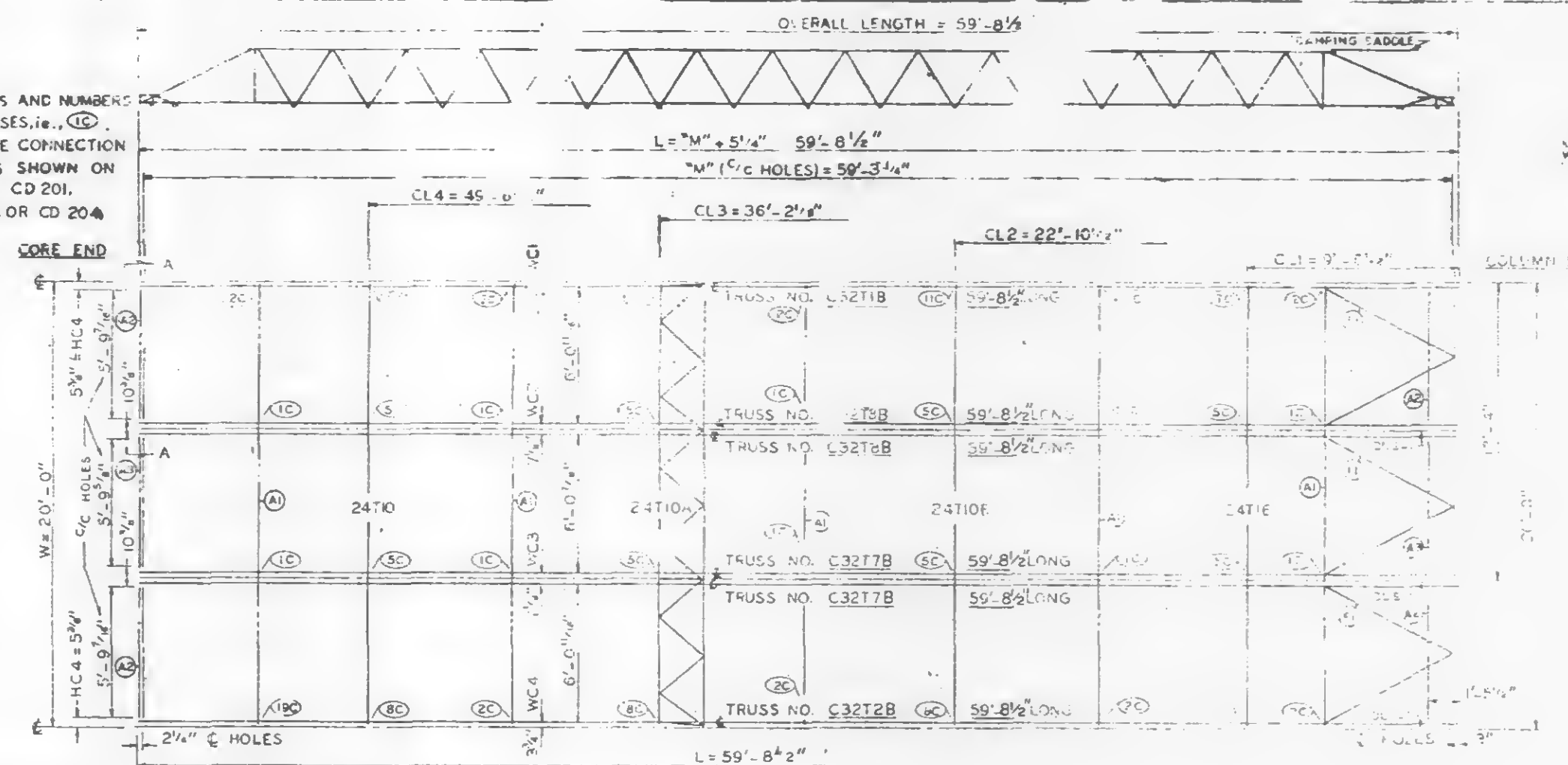


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84-81, 87-106 (11)

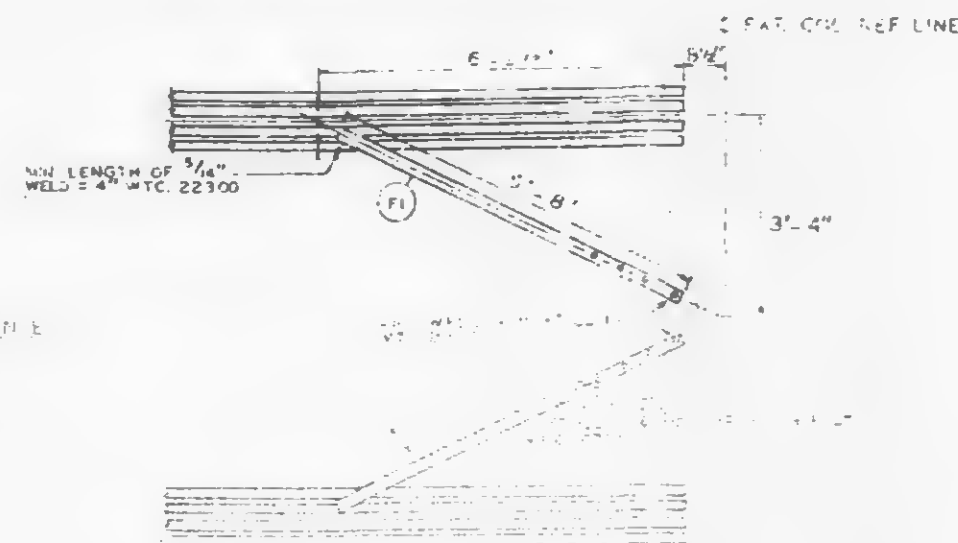
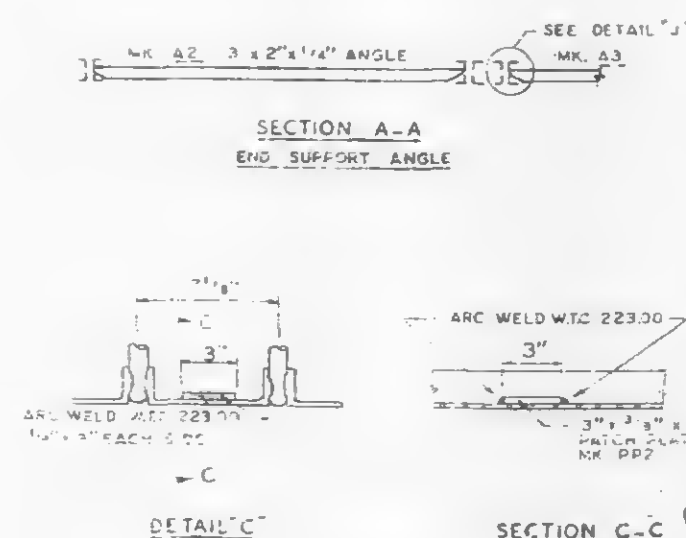
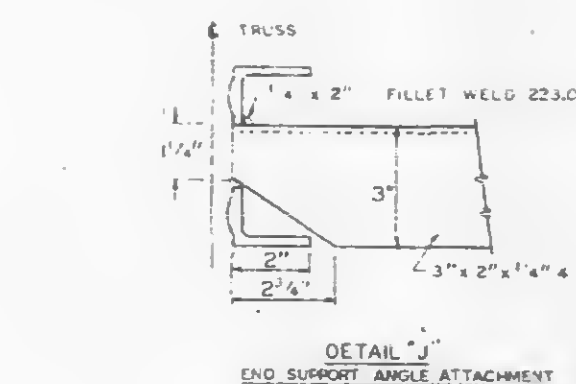
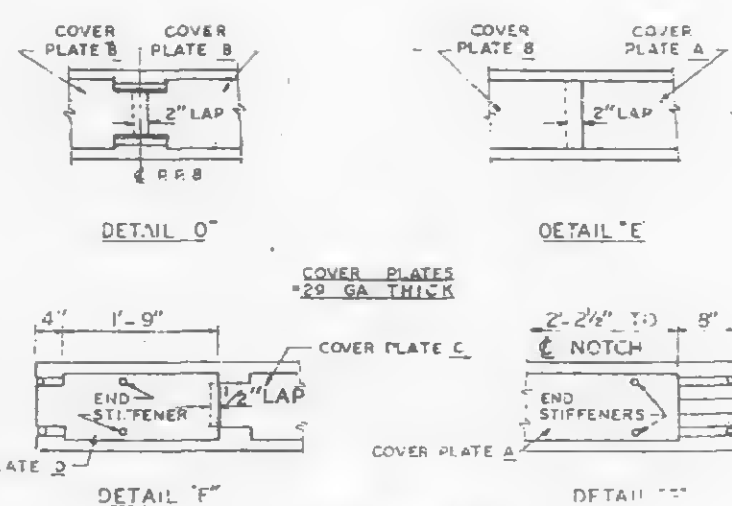
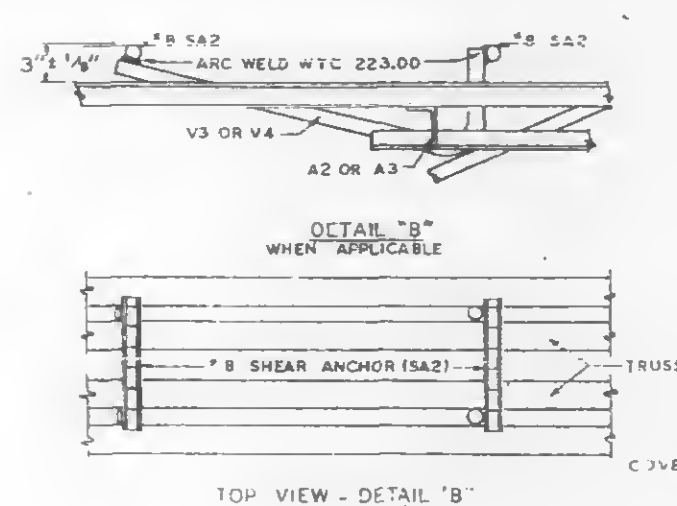
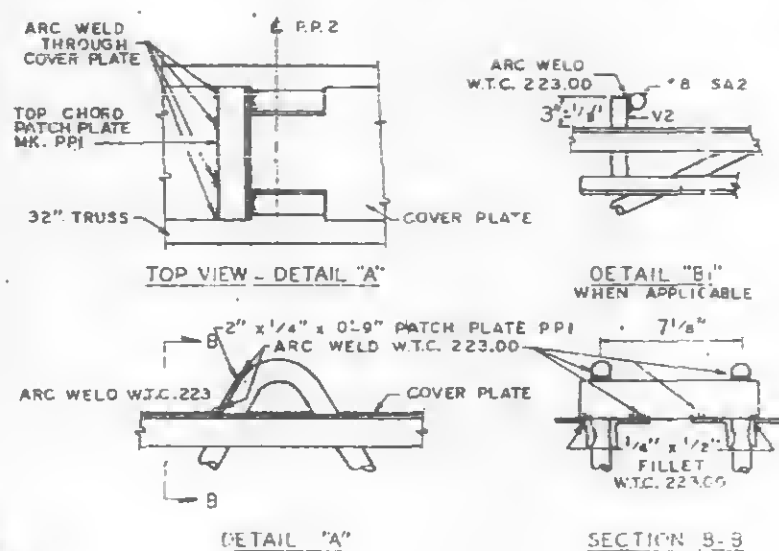
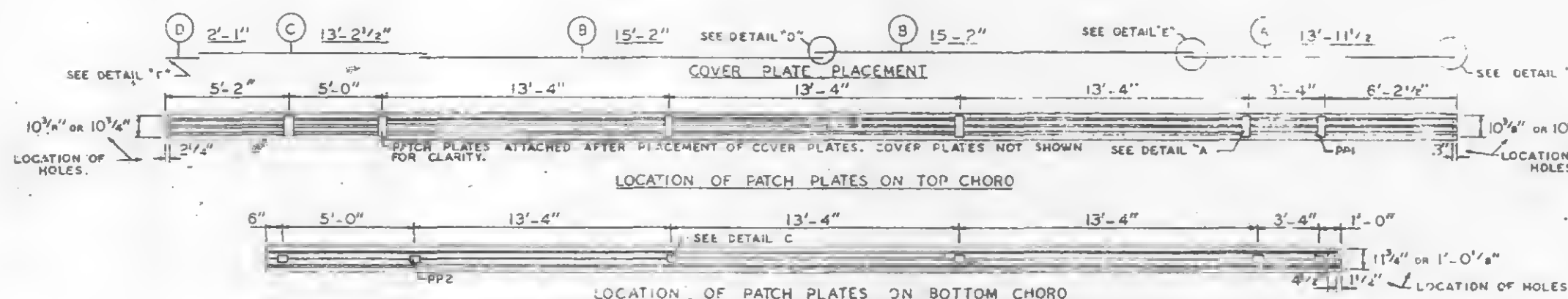
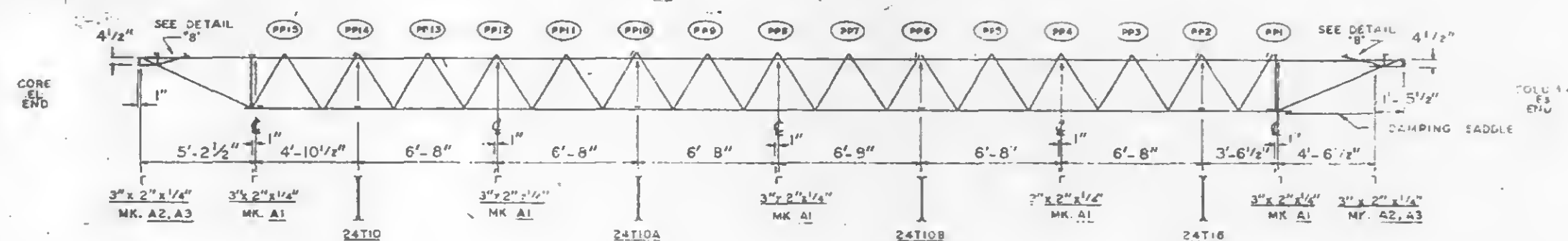
11/18

LETTERS AND NUMBERS IN ELLIPSES, i.e., (C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204.



CL & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE CL ON THE COLUMN CLIPS & BRACES.

PANEL NO. D18 SIZE 20' x 59'-8 1/2"



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	QTY	SIZE	U.S.G.
FLOOR TRUSSES	T18	1	C32T18 - 59'-8 1/2"	ST 2018
	T28	1	C32T28 - 59'-8 1/2"	ST 2028
	T78	2	C32T78 - 59'-8 1/2"	ST 2078
	T88	2	C32T88 - 59'-8 1/2"	ST 2088
BRIDGING TRUSSES	T10	1	24T10 - 11'-11"	ST 210
	T10A	1	24T10A - 11'-11"	ST 210A
	T10B	1	24T10B - 11'-11"	ST 210B
	T16	1	24T16 - 11'-11"	ST 216

GEN. RODS IN THE TRUSSES OR EQUAL UNLESS OTHERWISE SHOWN ALL CONNECTIONS ARE WELDED TO BE 1/4\"/>

REF. DRWS.	DATE
T-AB2-5 & 11	7-22-68
T-AB3-9	10-15-68
T-AB4-31	1-3-68
T-AB4-15, 16 & 39	7-22-68
T-AB4-42 & 43	10-15-68
SP-124	10-11-68
T-AB1-2, 3 & 4	7-22-68
T-AB1-5	10-15-68

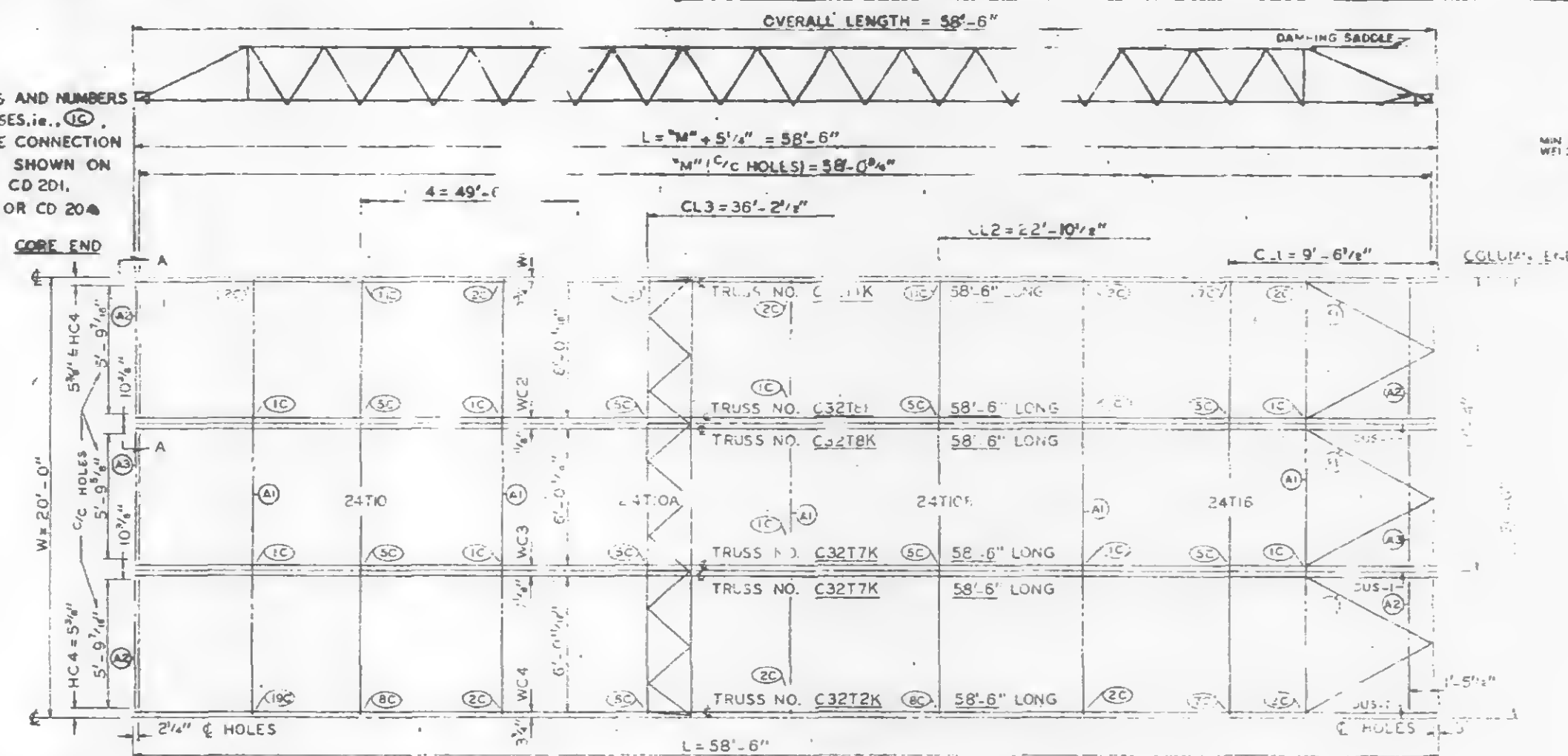
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLOG. A FLOORS 84-91, 93-106 (N)

PANEL D18 - 20' x 59'-8 1/2"

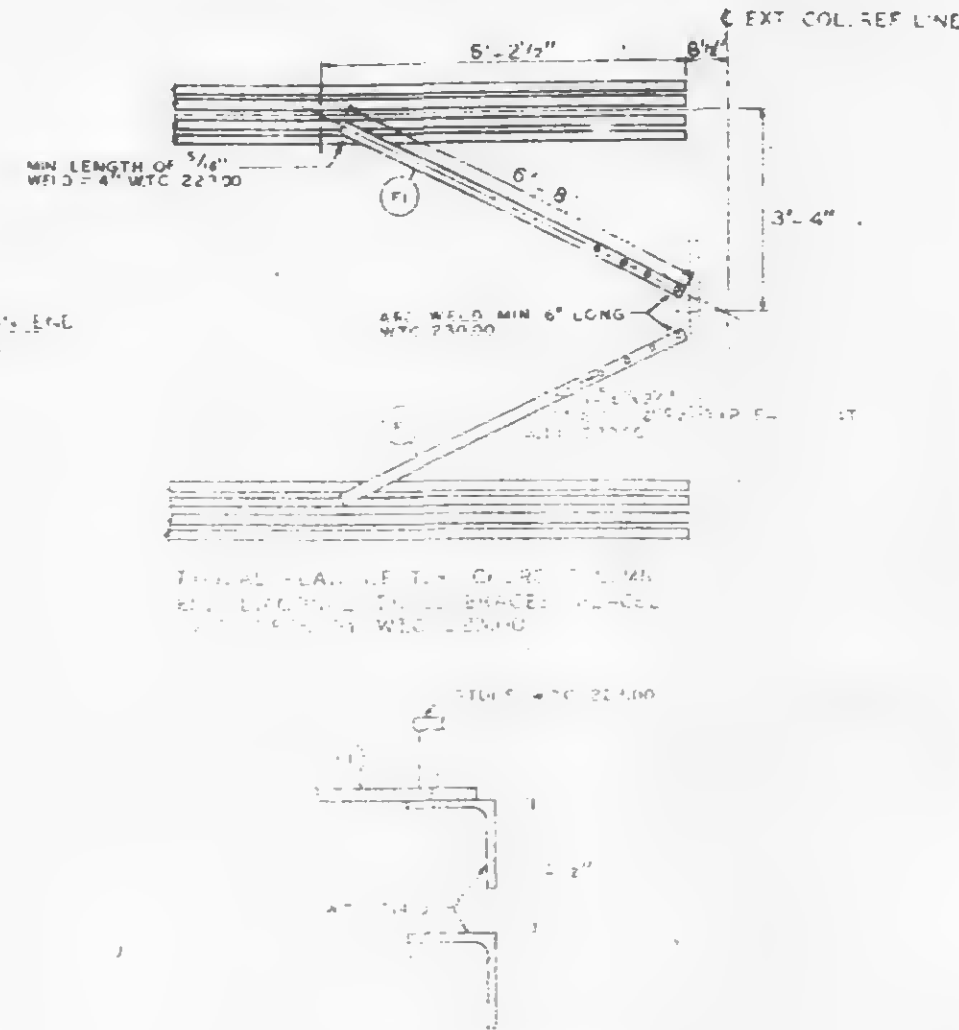
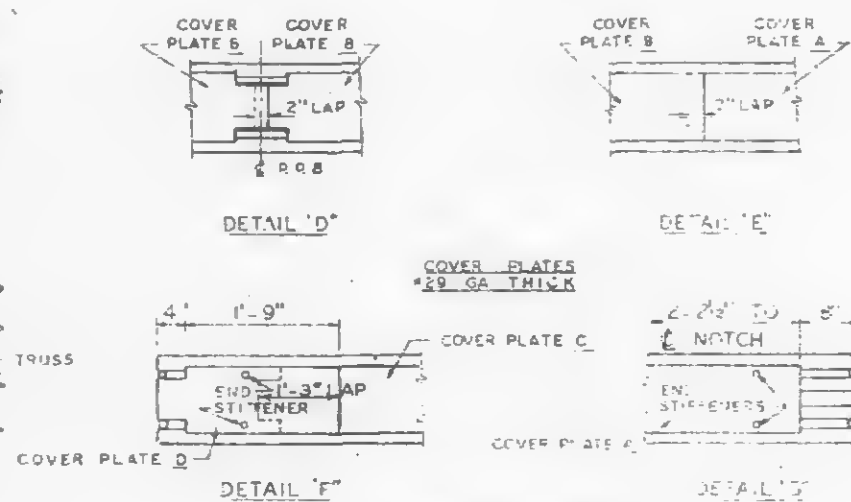
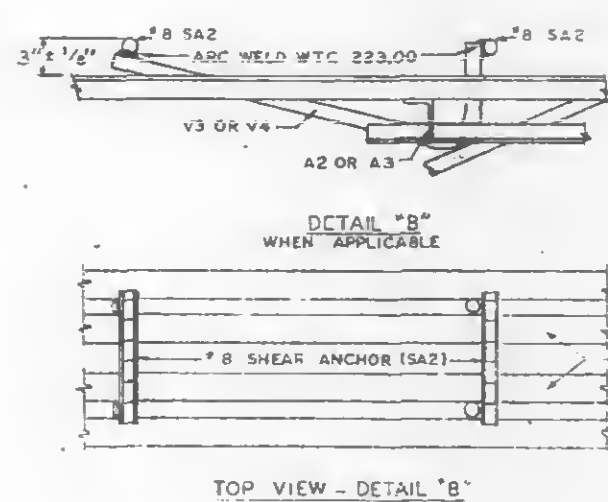
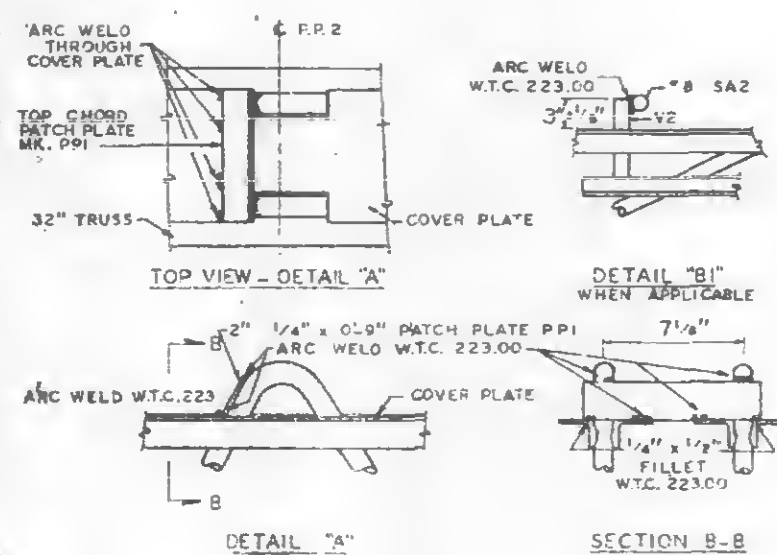
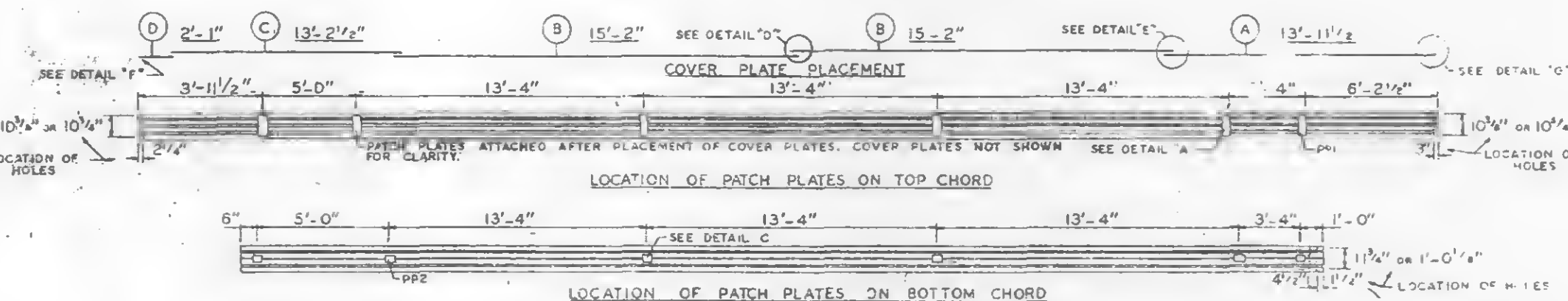
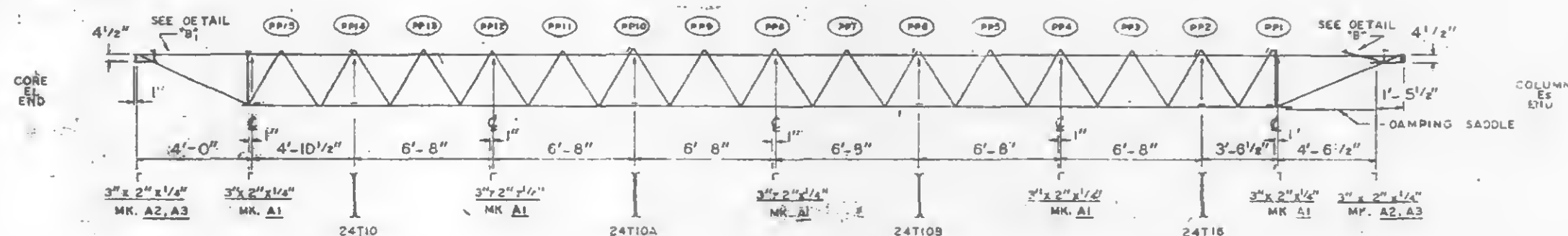
FABRICATION BY LACLEDE STEEL COMPANY	
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-9
APPROVED FOR FABRICATION DATE 11/16/68	DRAWN BY GAC DATE OCT 24, 1968
APPROVED FOR FABRICATION DATE OCT 24, 1968	CHECKED BY T.M. CHUBA DATE OCT 24, 1968
BY FOR FABRICATOR	FABRICATION CONT NO. 221
DETAILED BY A. CARL WEBER	WTC 221
IN CHARGE OF PROJ. MGR. SHEET NO. EP-D18	

LETTERS AND NUMBERS
IN ELLIPSES, i.e., (IC),
INDICATE CONNECTION
DETAILS SHOWN ON
SHEETS CD 201,
CD 202, OR CD 203.

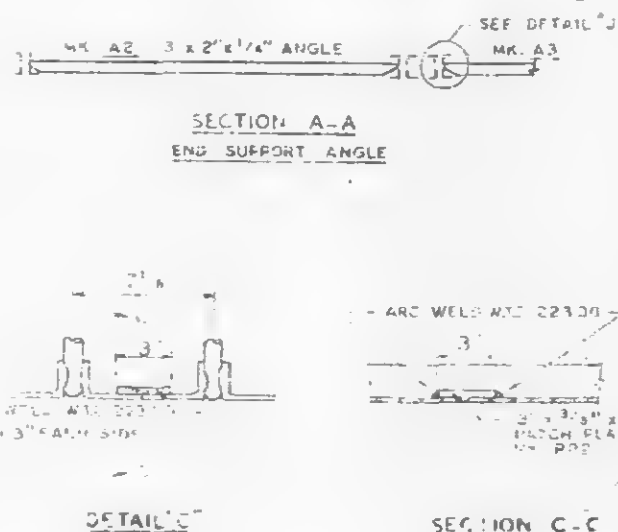
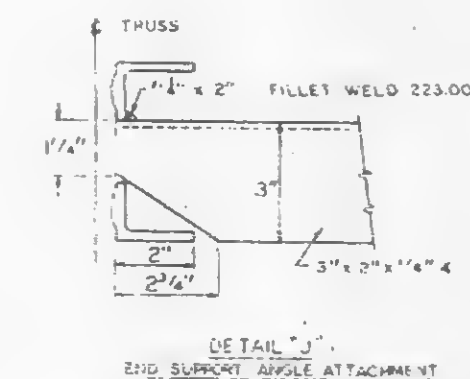


CL & DIMENSION HC4 ARE RELATED TO HOLES PUT IN
BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR
WITH BUT NOT EXACTLY ALIGNED WITH HOLE CL ON
THE COLUMN CLIPS & BRACES.

PANEL NO. DIK SIZE 20' x 58'-6"



ANGLE LOCATION
FOR DIAGONAL FLATS
4 1/2" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.



REQUIRED MATERIAL PER PANEL				
MATERIAL	MARK	PCS	SIZE	ST
FLOOR TRUSSES	1K	1	C32T1K - 58'-6"	ST 201K
	2K	1	C32T2K - 58'-6"	ST 202K
	7K	1	C32T7K - 58'-6"	ST 207K
	8K	1	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	10	1	24T10 - 10'-11"	ST 210A
	11	1	24T11 - 10'-11"	ST 211A
	12	1	24T12 - 10'-11"	ST 212A
	13	1	24T13 - 10'-11"	ST 213A
BRIDGING TRUSSES	14	1	24T14 - 10'-11"	ST 214A
	15	1	24T15 - 10'-11"	ST 215A
	16	1	24T16 - 10'-11"	ST 216A
	17	1	24T17 - 10'-11"	ST 217A
BRIDGING TRUSSES	18	1	24T18 - 10'-11"	ST 218A
	19	1	24T19 - 10'-11"	ST 219A
	20	1	24T20 - 10'-11"	ST 220A
	21	1	24T21 - 10'-11"	ST 221A

PER. URWGS.			
7-AB2-5.4.11	7-22-68	7-AB3-9	10-15-68
7-AB4-3.1	1-3-68	7-AB4-15.16.30	7-22-68
7-AB4-42.4.3	10-15-68	7-AB4-42.4.3	10-15-68
7-AB4-42.4.3	10-15-68	7-AB4-42.4.3	10-15-68
7-AB4-42.4.3	10-15-68	7-AB4-42.4.3	10-15-68
7-AB4-42.4.3	10-15-68	7-AB4-42.4.3	10-15-68
7-AB4-42.4.3	10-15-68	7-AB4-42.4.3	10-15-68
7-AB4-42.4.3	10-15-68	7-AB4-42.4.3	10-15-68
7-AB4-42.4.3	10-15-68	7-AB4-42.4.3	10-15-68
7-AB4-42.4.3	10-15-68	7-AB4-42.4.3	10-15-68

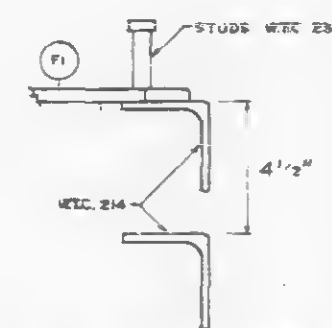
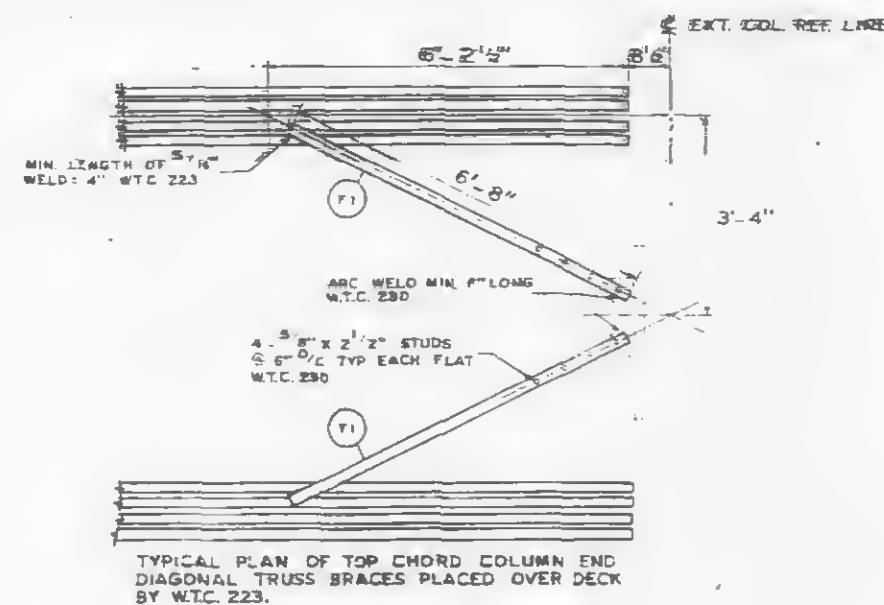
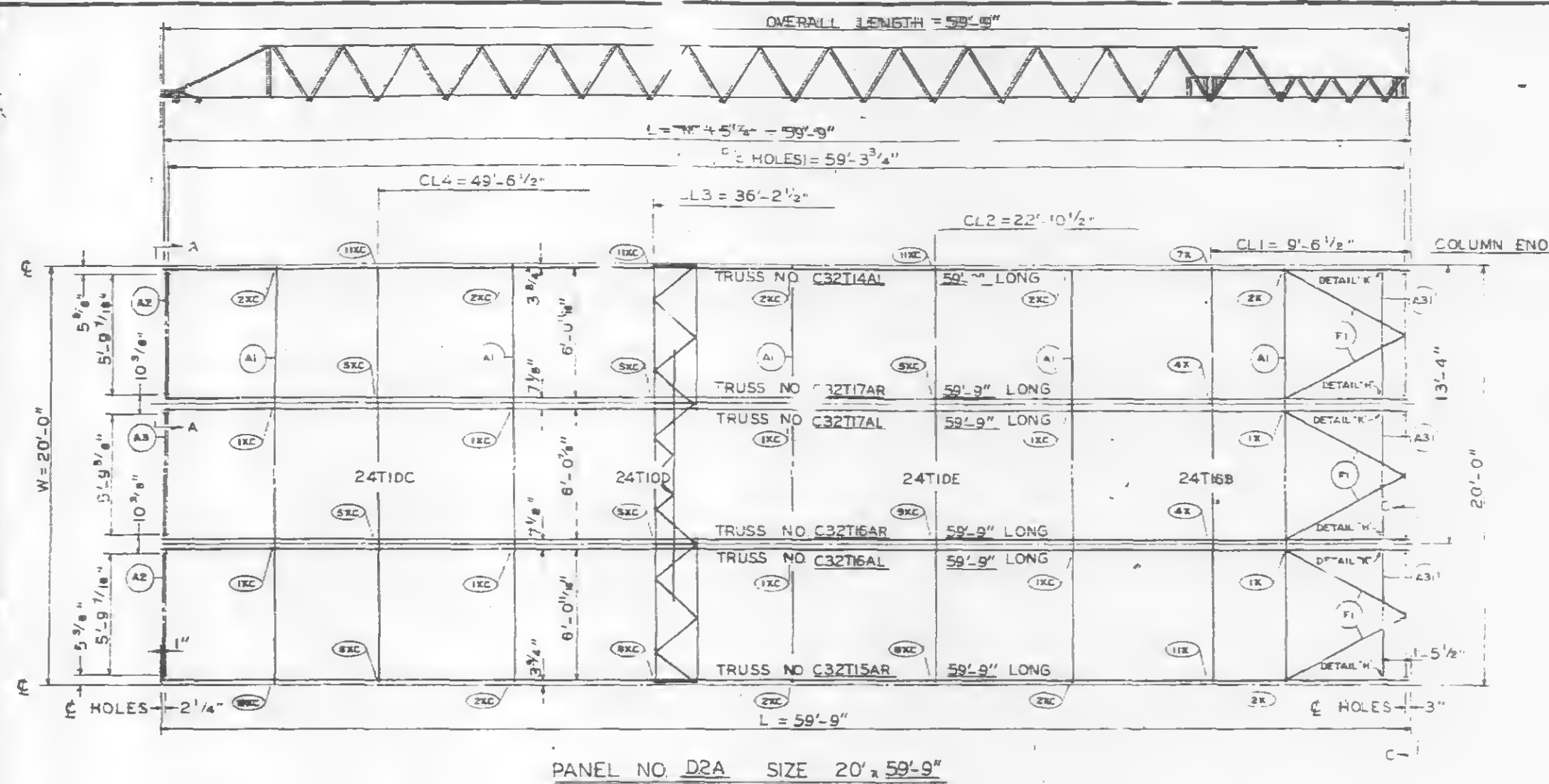
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46(N)

PANEL DIK - 20' x 58'-6"

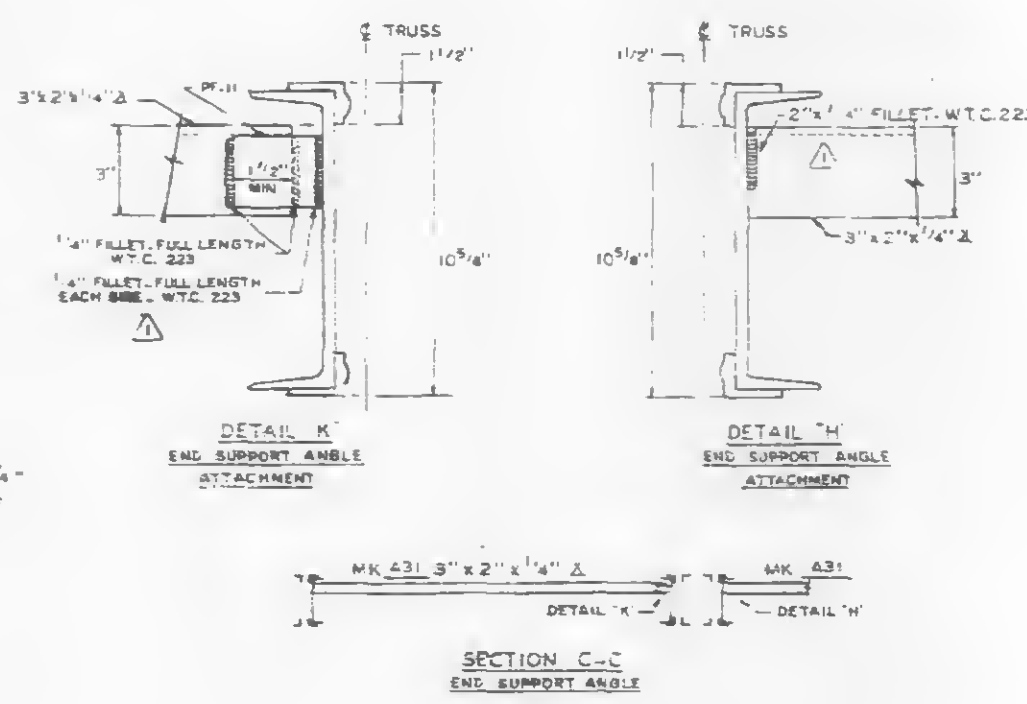
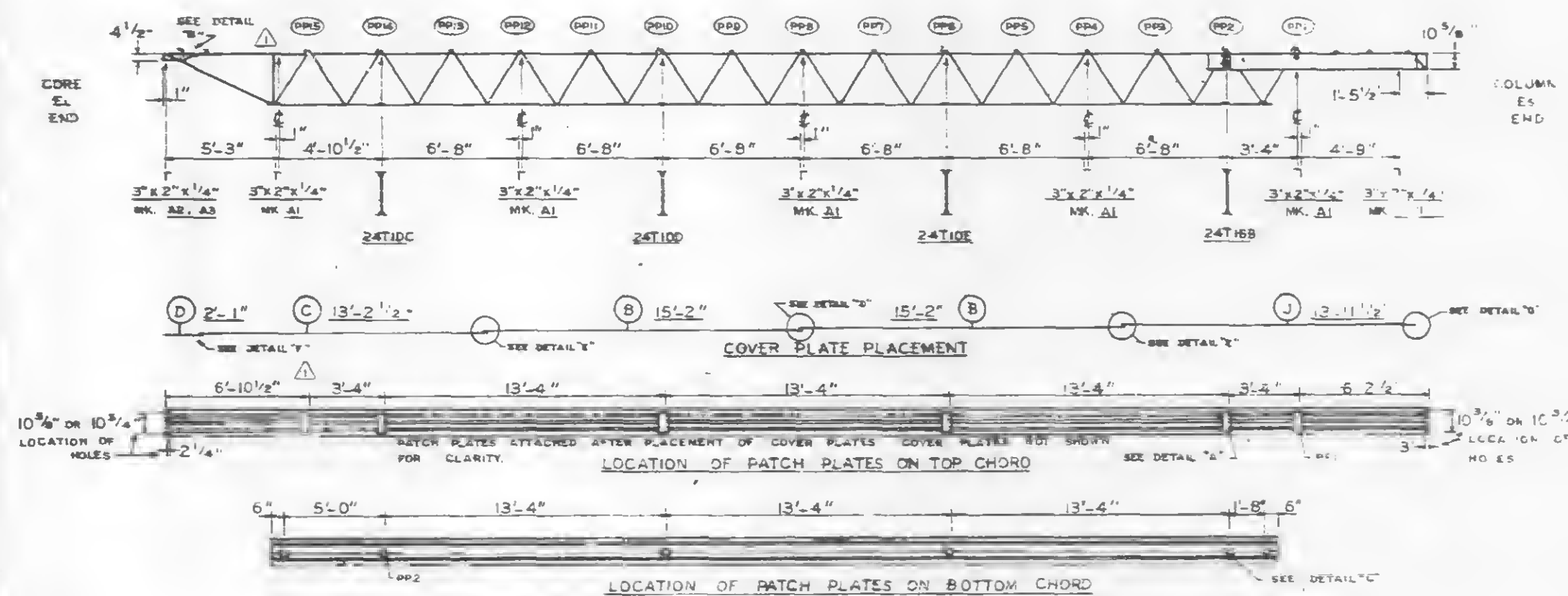
DATE: 10/1/68
BY: J. CARL WEBER
CHECKED BY: J. CARL WEBER
DATE: OCT 24, 1968
FABRICATION CONT. NO. 221

PLATE
MOD. 001
SHEET 11
PP DIK



REQUIRED MATERIAL PER PANEL					REF.
MATERIAL	QTY	SIZE	DRWG.		
FLOOR TRUSSES	TR1	1	24T10C	ST 210C	
	TR2	1	24T10D	ST 210D	
	TR3	1	24T10E	ST 210E	
	TR4	1	24T10F	ST 210F	
BRIDGING TRUSSES	TR5	1	24T10G	ST 210G	
	TR6	1	24T10H	ST 210H	
	TR7	1	24T10I	ST 210I	
	TR8	1	24T10J	ST 210J	
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4"	ST 403	
	A2	2	3" x 2" x 1/4"	ST 403	
	A3	1	3" x 2" x 1/4"	ST 403	
	A31	3	3" x 2" x 1/4"	ST 410	
CLOSURE PLATES	CP1	3	3" x 1/4" x 0.23"	ST 412	
DIAGONAL FLATS	DF1	6	1 1/2" x 5" x 6'-8"	ST 402	
PATCH PLATES	PP1	18	2" x 1/4" x 0'-8"	ST 400	
COVER PLATES	CP2	15	3" x 2" x 0'-3"	ST 400	
	B	6	9" x .0135" x 15'-2"	ST 303	
	C	3	9" x .0135" x 15'-2"	ST 303	
	D	3	9" x .0135" x 15'-2"	ST 303	
ANGLE CLIPS	CI	24	2" x 1" x 2" x 8"	ST 400	
*B SHEAR ANCHOR	SA2	6	*B REBAR x 0'-8"	ST 400	
CONNECTION BAR	CB1	5	1" x 1'-3"	ST 400	
CONNECTION PLATES	CP3	6	1" x 0'-10"	ST 400	
	P1	3	3 1/2" x 3" x 0'-6"	ST 400	
	P2	1	4 1/2" x 3" x 0'-6"	ST 400	
	P4	3	6 1/2" x 2" x 0'-8"	ST 400	
	P6	1	4 1/2" x 3" x 0'-6"	ST 401	
	P8	6	3" x 1/2" x 1'-2"	ST 408	

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS. (1) ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 223. UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	2-4-89	AS NOTED	BDC

REF. DRWG.	7-233-30	10-4-88
	7-234-28	7-22-88
	7-231-13	10-4-88
	7-231-14, 15 & 16	10-4-88
	7-232-13	10-4-88
	7-232-17	10-4-88
	SA-124	10-11-88

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH), 59 (NORTH)

PANEL D2A - 20' x 59'-9"

FABRICATION BY: LACED STEEL COMPANY

DESIGN DRAWING NO: 7-233-30

PLATE

APPROVED FOR FABRICATION DATE: 12/28/89

APPROVED FOR PORTA DATE: DEC. 5, 1988

CHECKED BY: T.H. CHINA

DATE: DEC. 5, 1988

FABRICATION CONT. NO: 221

W.T.C. 221

IN CHARGE OF: [Signature]

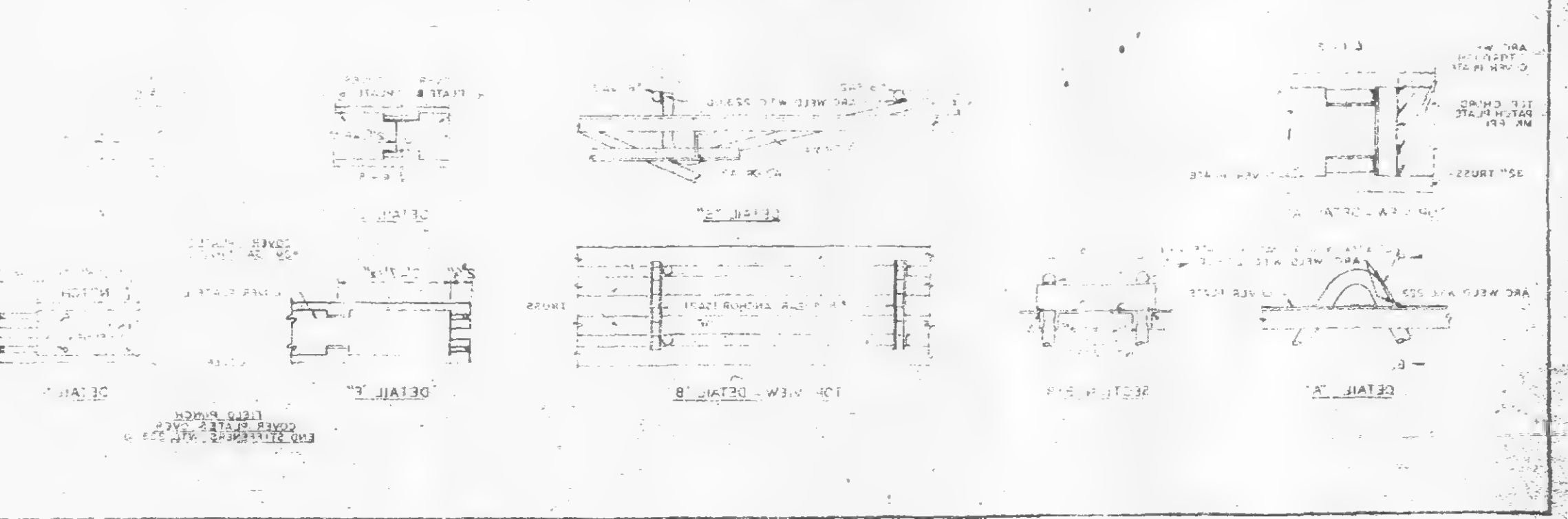
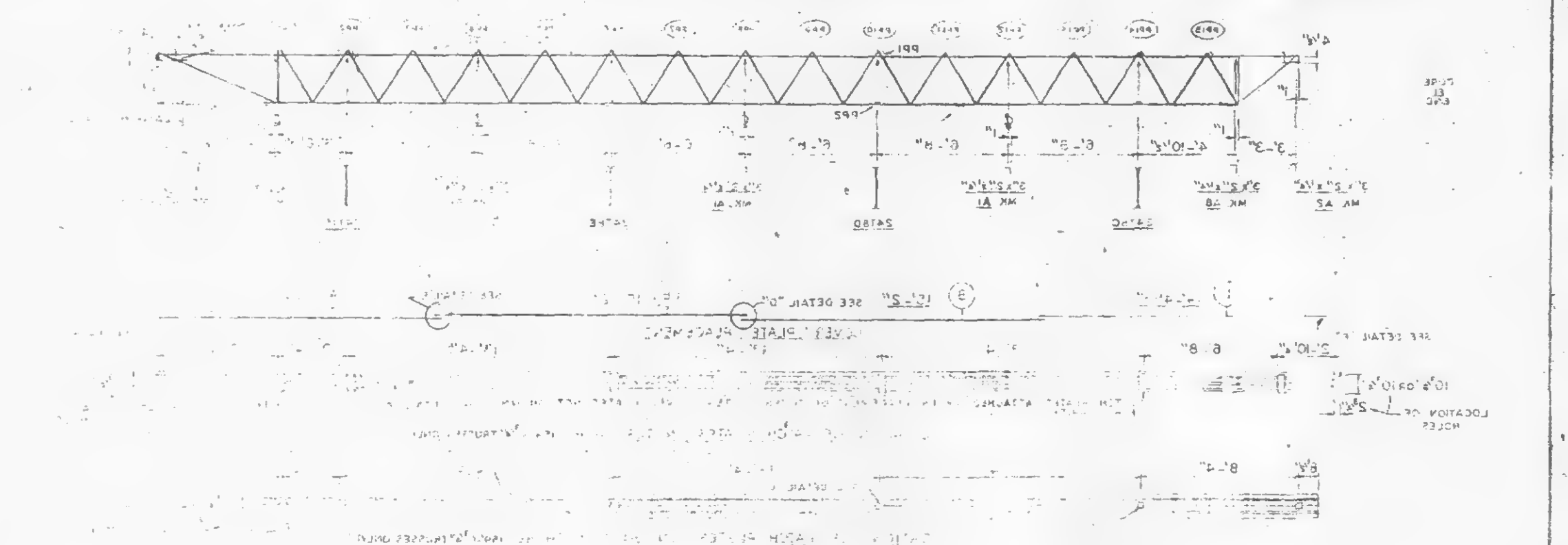
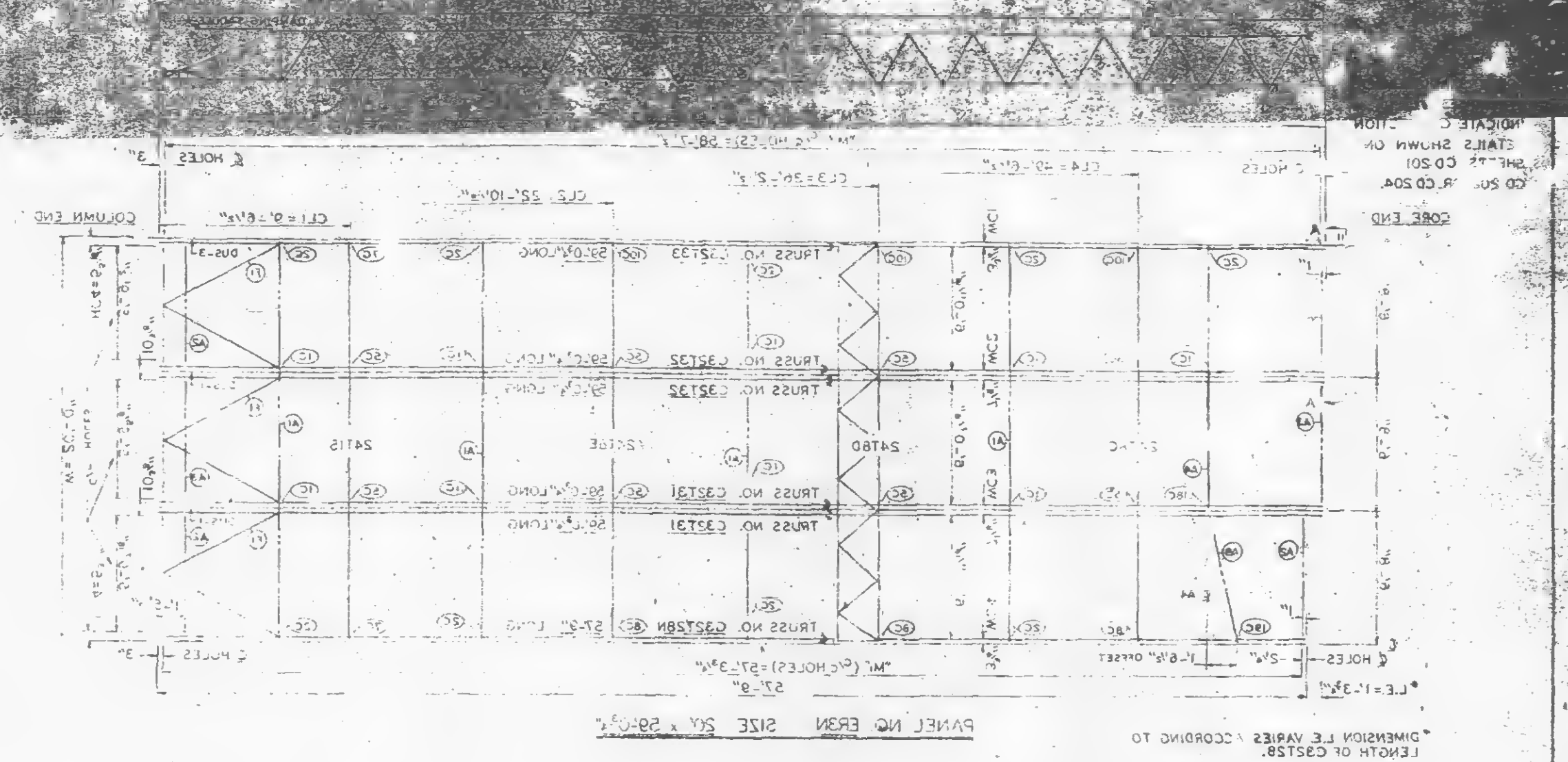
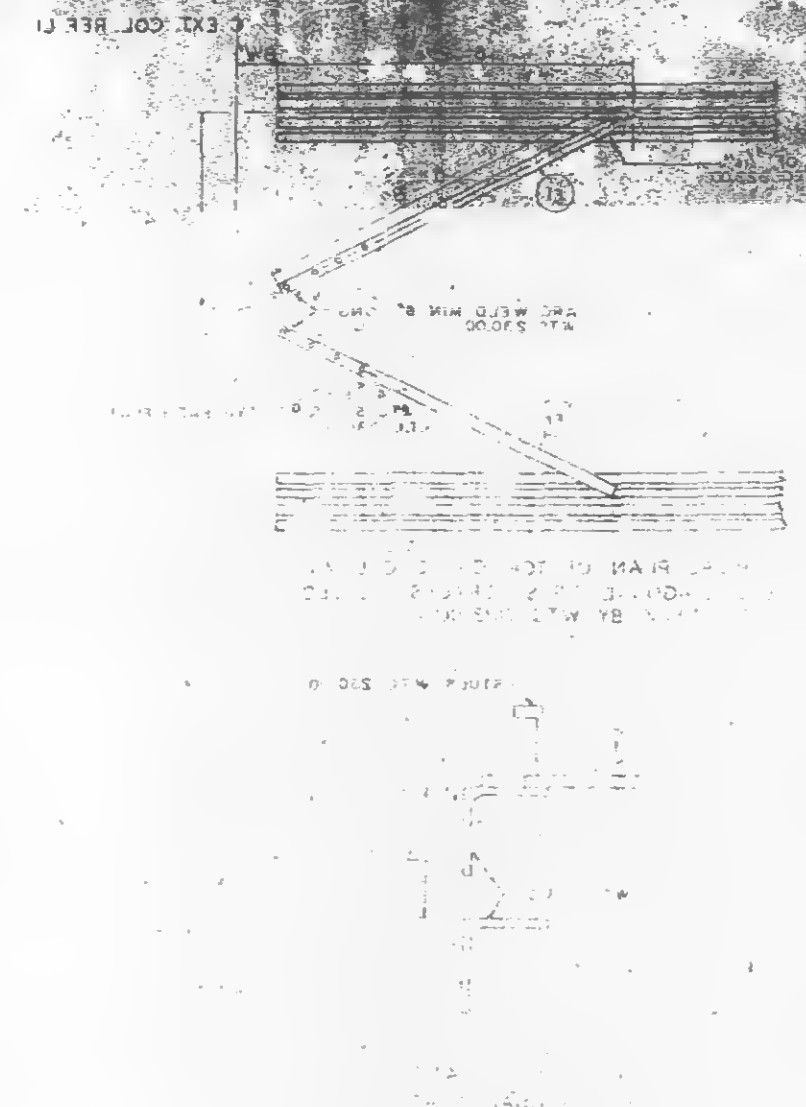
SHEET NO: EP D2A

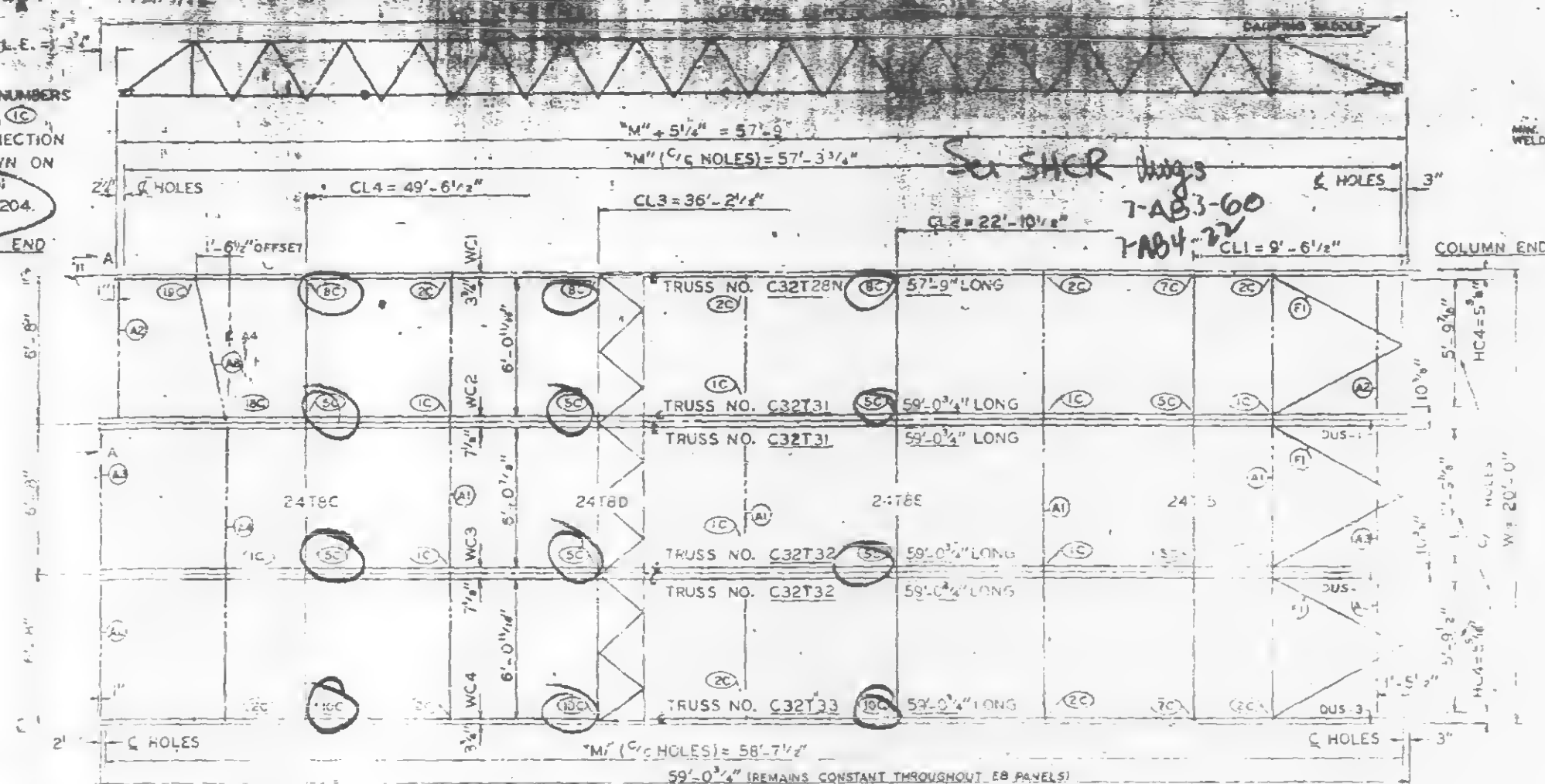
REQUIRED MATERIAL PER PANEL	
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NOTES:
1. ALL DIMENSIONS ARE IN FEET AND INCHES.
2. ALL MATERIALS ARE TO BE SUPPLIED BY THE CONTRACTOR.
3. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS.
4. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE DRAWINGS.

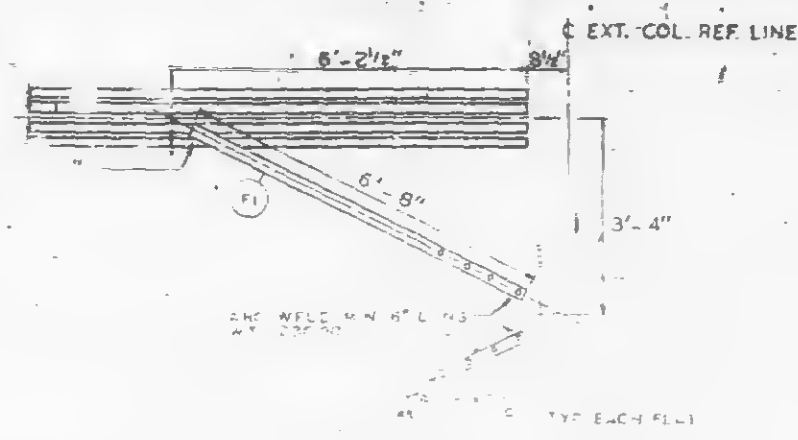
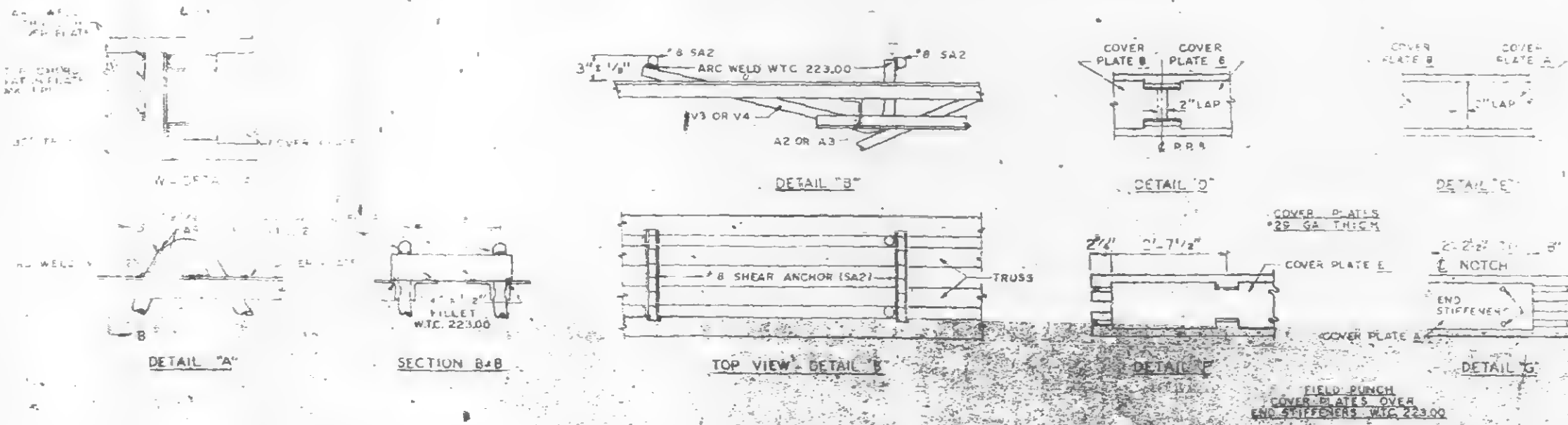
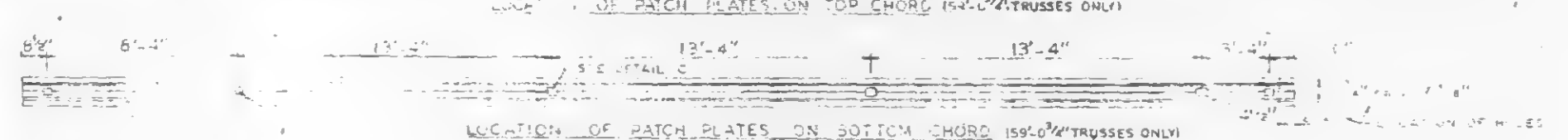
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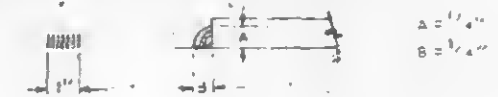


PANEL NO. E8N SIZE: 20' x 59'-0³/₄'

[illegible]

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARE WELDS TO BE 1/4" X 1" FULL THROAT FILLET.



SKILLING - HELLF
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers

☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED

4/11/89 5K

NO	DATE	REVISION
REF DRAWING		
		7-22-68
	60	1-6-69
		10-15-68
	7-22-68	
		10-15-68
		1-6-69
	25 & 28	1-6-69
	7-AB1-29 & 30	1-6-69
	7-AB2-19	1-6-69

FLOOR PANEL DETAILS

WORLD TRADE CENTER - N.Y.C.

THE PORT OF NEW YORK AUTHORITY

C A FLOORS 44 (SOUTH ONLY)

PANEL E8N - 30 x 59'-0³/₄"

FABRICATED BY LACLEDE STEEL COMPANY

FABRICATED
AT MADISON, ILLINOIS

DESIGN DRAWING NO
3-453-60

21. 0.01

FOR PONY

DATE: APRIL 2, 1969

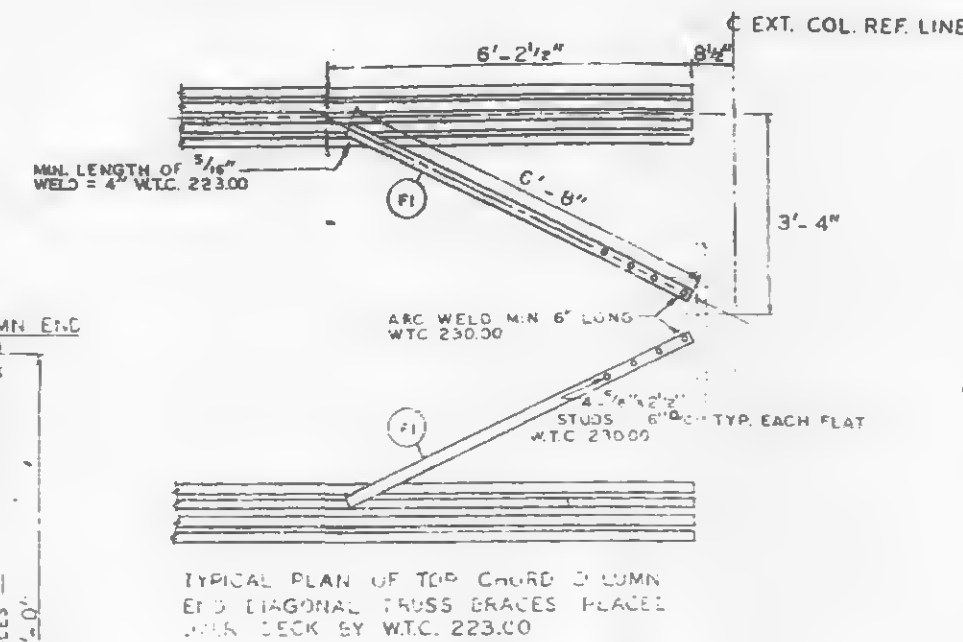
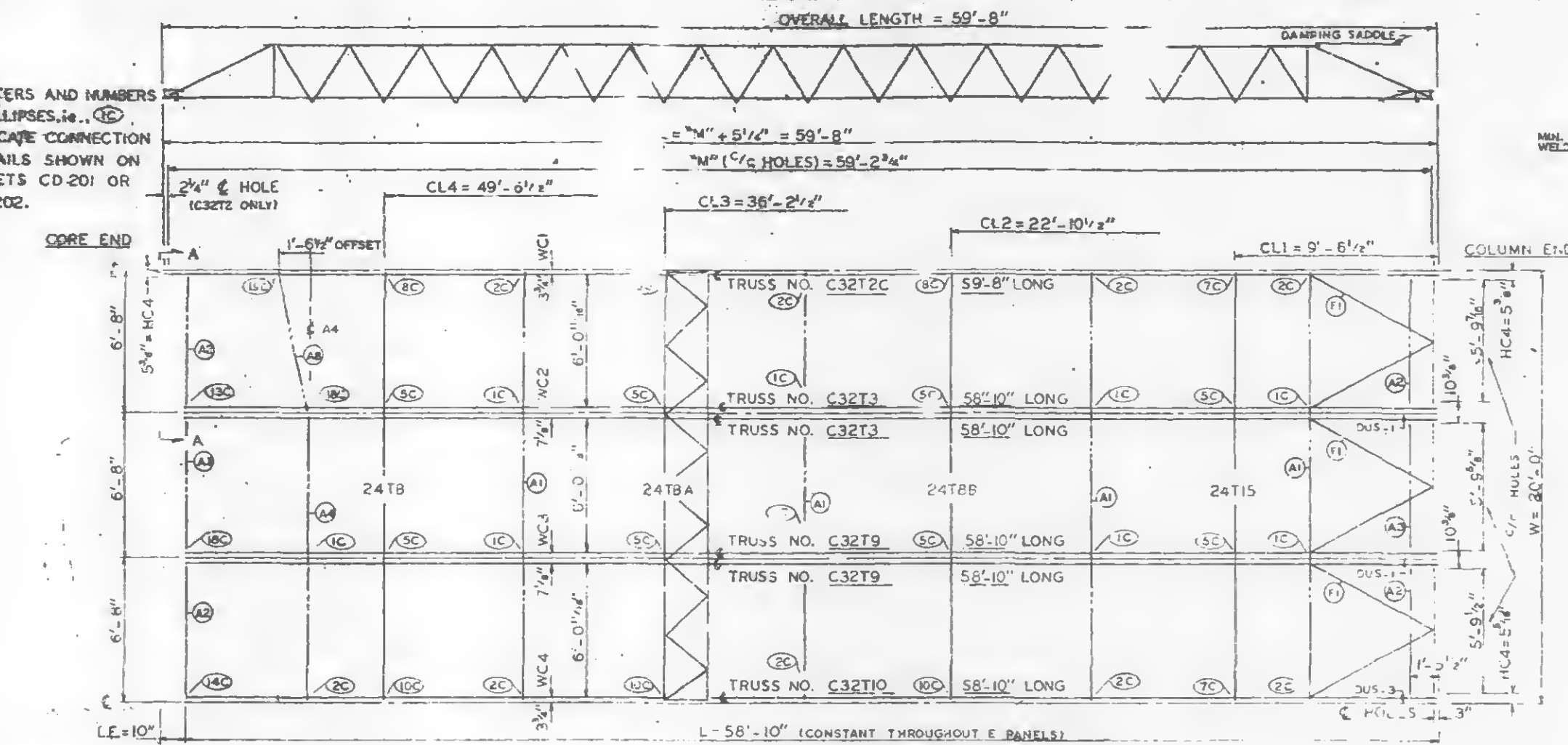
2. Т.М.СВУРА

FOR FABRICATOR

DATE: APRIL 2, 1969

CONT. NO.

LETTERS AND NUMBERS IN ELLIPSES, INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD-201 OR CD-202.

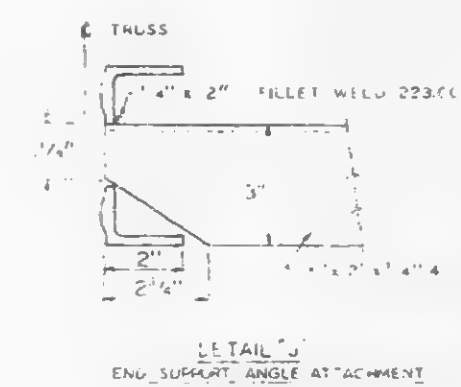
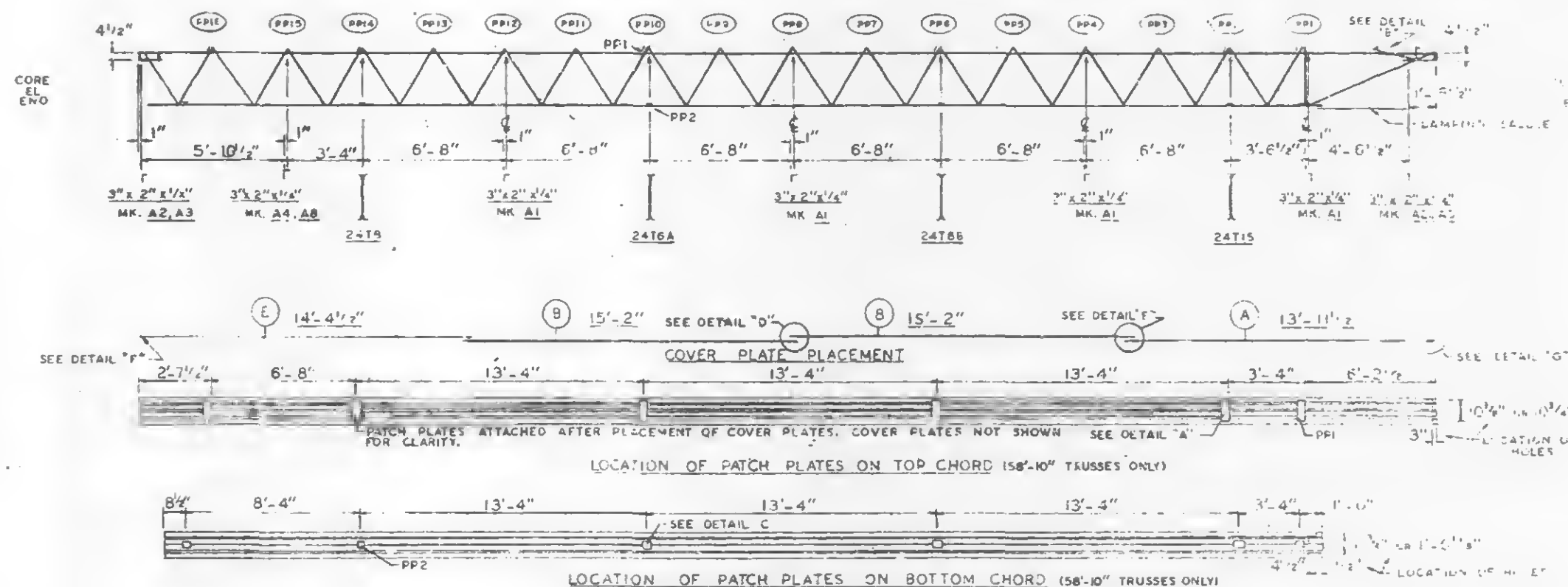


REQUIRED MATERIAL PER PANEL					REF.
MATERIAL	MK.	PCS.	SIZE		TRWG.
FLOOR TRUSSES	T2C	1	C32T2C - 59'-8"	ST 202C	
	T3	2	C32T3 - 58'-10"	ST 203	
	T9	2	C32T9 - 58'-10"	ST 209	
	T10	1	C32T10 - 58'-10"	ST 210	
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 8	
	T8A	1	24T8A - 19'-11"	BT 8A	
	T8B	1	24T8B - 19'-11"	BT 8B	
	T10	1	24T10 - 19'-11"	BT 10	
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 10'-11"	ST 403	
	A2	4	3" x 2" x 1/4" x 5'-11"	ST 40	
	A3	2	3" x 2" x 1/4" x 5'-11"	ST 403	
	A4	1	3" x 2" x 1/4" x 1'-3"	ST 403	
DIAGONAL FLATS	D1	1	3" x 2" x 1/4" x 6'	ST 405	
	D2	1	3" x 2" x 1/4" x 6'	ST 402	
COVER PLATES	C1	3	9" x 9" x 1/2" x 10'-11"	ST 303	
	C2	6	9" x 9" x 1/2" x 15'-2"	ST 303	
	C3	3	9" x 9" x 1/2" x 14'-4"	ST 303	
AMPING SADDLE	S1	2	2" x 2" x 1/4" x 0'-8"	ST 400	
	S2	4	2" x 2" x 1/4" x 6"	ST 406	
CONNECTION BAR	CB1	2	3/8" x 3" x 1'-3"	ST 400	
	CB2	6	3/8" x 3" x 1'-5"	ST 400	
CONNECTION PLATES	P1	5	3" x 3" x 1/2" x 1'-2"	ST 400	
	P2	1	4" x 4" x 1/2" x 1'-0"	ST 400	
	P3	3	4" x 4" x 1/2" x 1'-6"	ST 400	
	P4	1	4" x 4" x 1/2" x 0'-9"	ST 401	
	P5	6	3" x 3" x 1/2" x 0'-3"	ST 400	
PATCH PLATES	PP1	18	2" x 1" x 1/4" x 0'-8"	ST 400	
	PP2	18	3" x 3" x 1/2" x 0'-3"	ST 400	

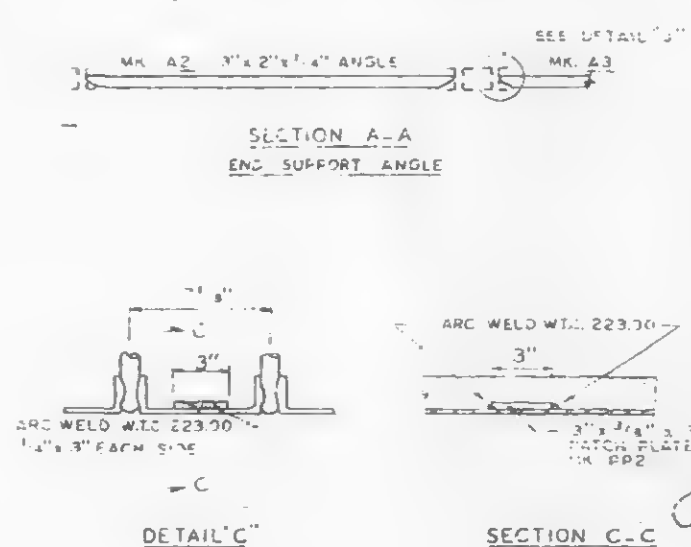
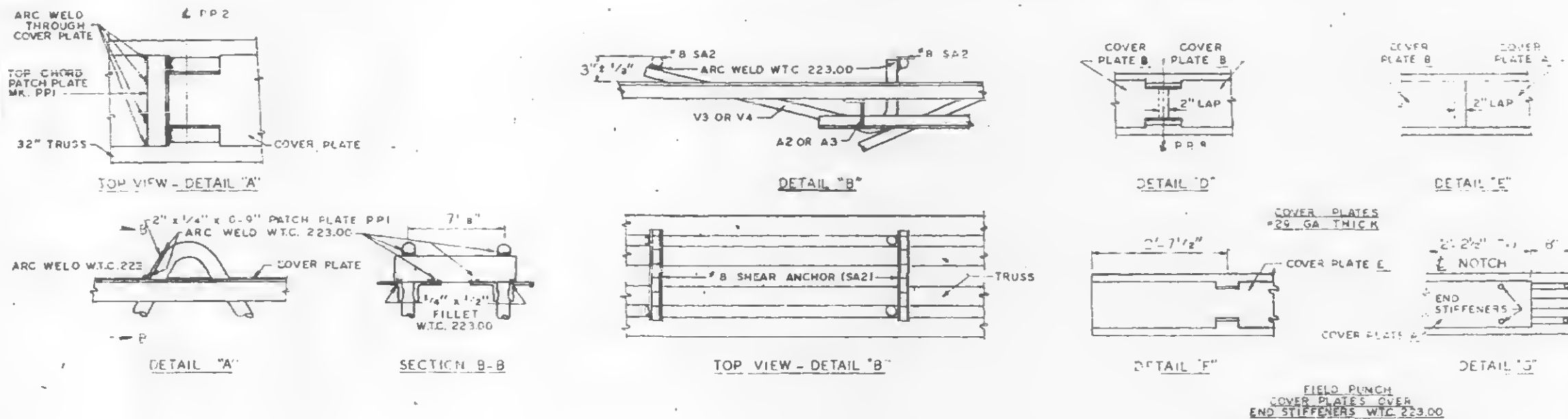
- ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUIV.
- UNLESS OTHERWISE SHOWN, ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.



NO.	DATE	REVISION	BY
1	7-22-68	7-22-68	
2	7-22-68	7-22-68	
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5	7-22-68	7-22-68	
6	7-22-68	7-22-68	
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FLOOR PANEL DETAILS

WORLD TRADE CENTER - N.Y.C.

THE PORT OF NEW YORK AUTHORITY

BUILDING FLOORS 50-58, 60-66, 68-74, 79-91, 93-106 (S)

PANEL EIC - 20' x 59'-8"

FABRICATION BY: LACED STEEL COMPANY

DESIGN DRAWING NO: 7-22-68

DATE: 7-22-68

CHECKED BY: J. M. CHURCH

DATE: 7-22-68

APPROVED FOR FABRICATOR: J. M. CHURCH

DATE: 7-22-68

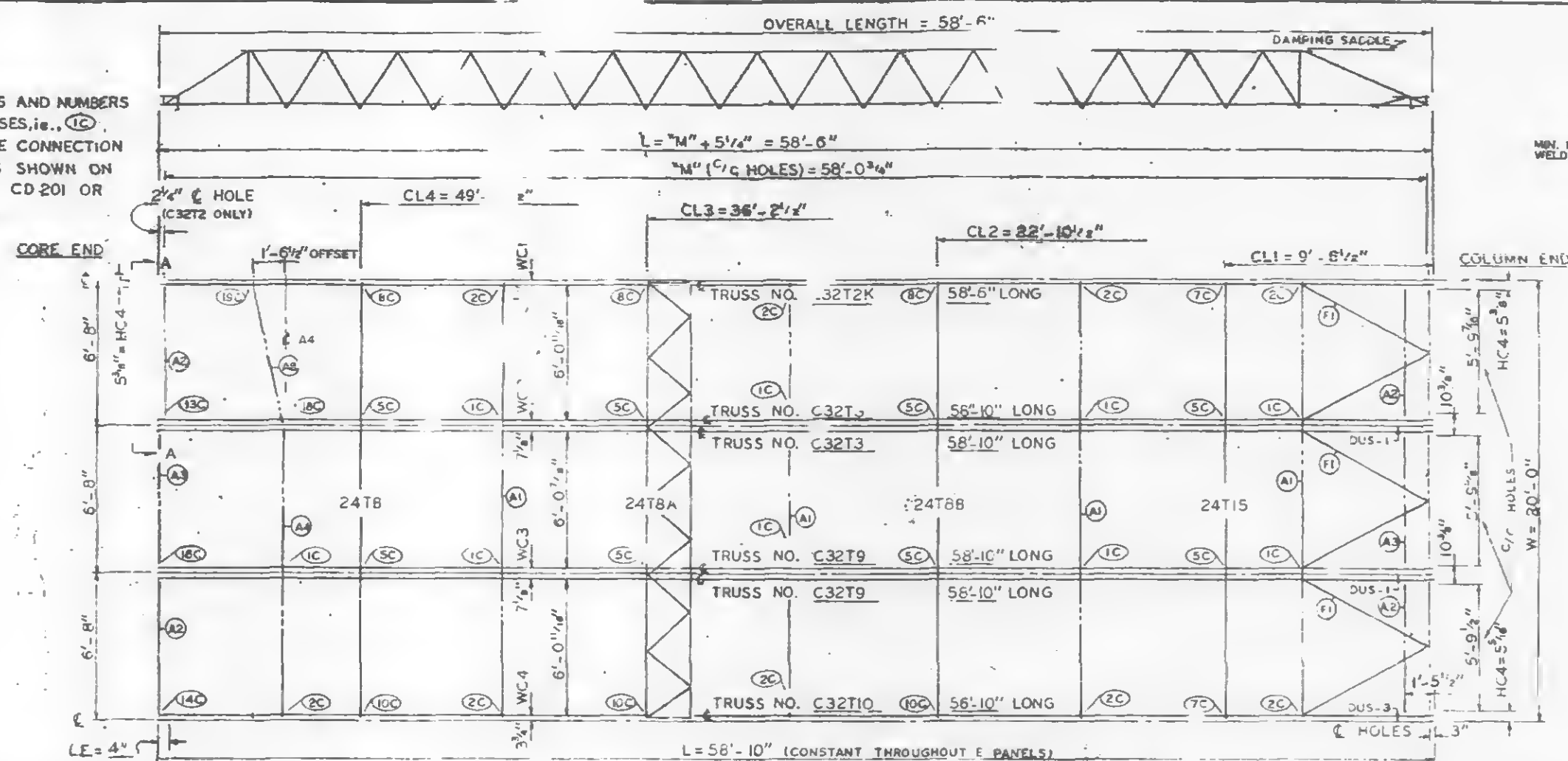
DETAILED BY: J. M. CHURCH

DATE: 7-22-68

WTC 221

FP EIC

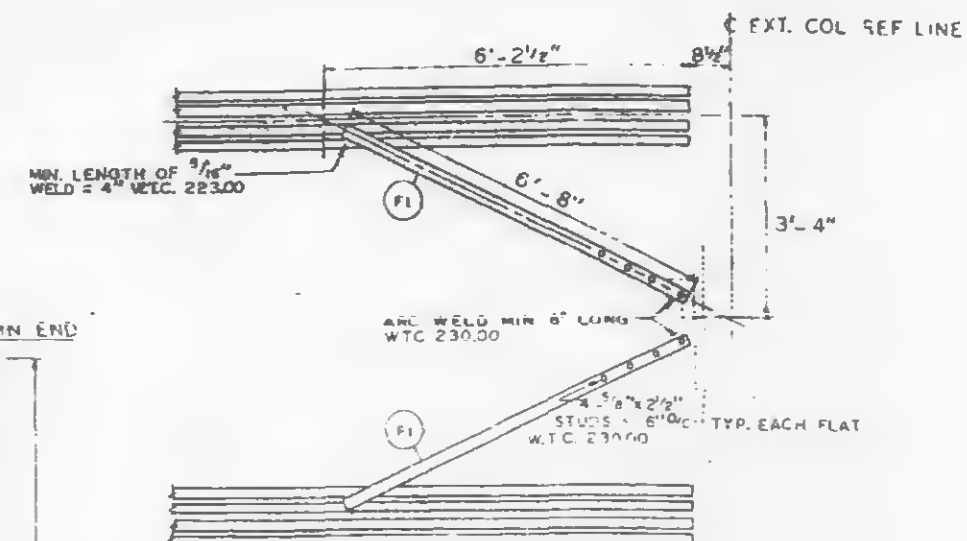
LETTERS AND NUMBERS
IN ELLIPSES, i.e., (IC),
INDICATE CONNECTION
DETAILS SHOWN ON
SHEETS CD 201 OR
CD 202.



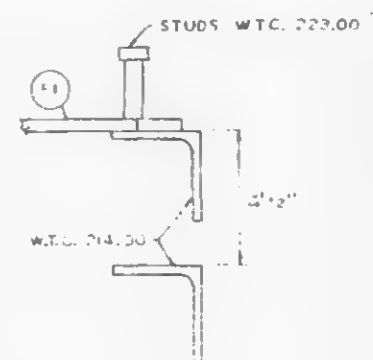
DIMENSION L.E. VARIES ACCORDING TO LENGTH
OF C32T2 TRUSS.

PANEL NO. 21K SIZE 20' x 58'-6"

CONNECTION 18-C & 19-C SHOWN ON SHEET CD 2D4.
SPECIAL CONNECTIONS 13-C, 16-C & 14-C SHOWN
ON SHEETS CD 2D9, CD 2D8 & CD 2D7 RESPECTIVELY.



TYPICAL PLAN OF TOP CHORD COLUMN
END DIAGONAL TRUSS BRACES PLACED
OVER DECK BY W.T.C. 223.0D

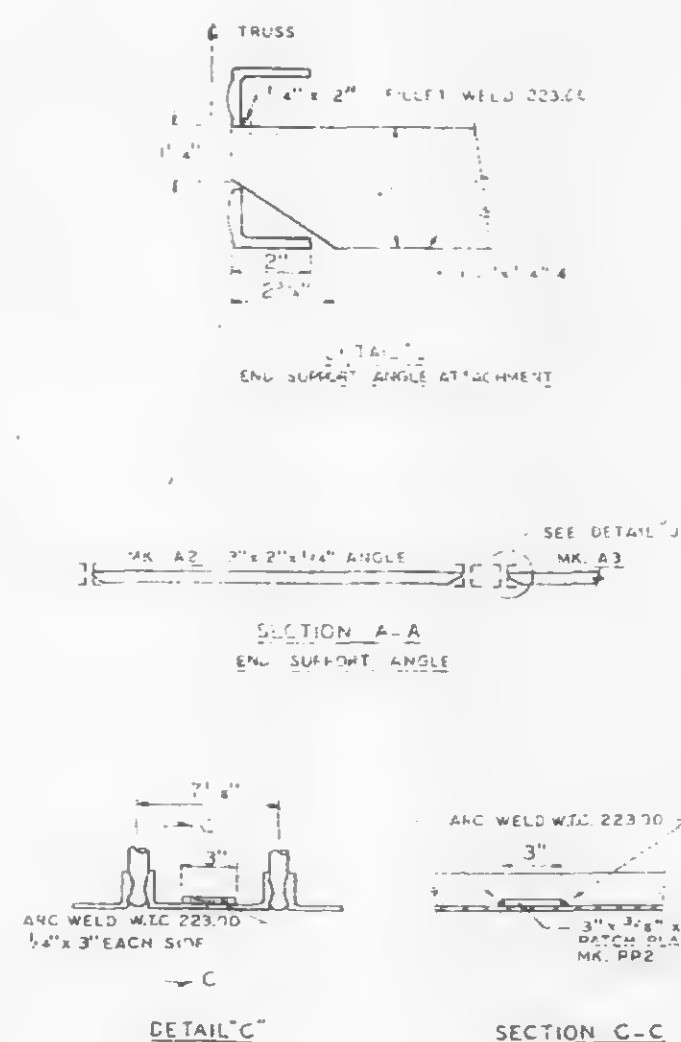
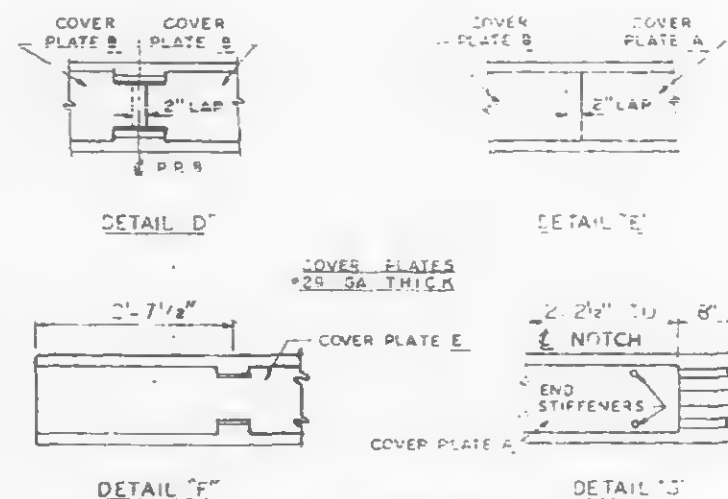
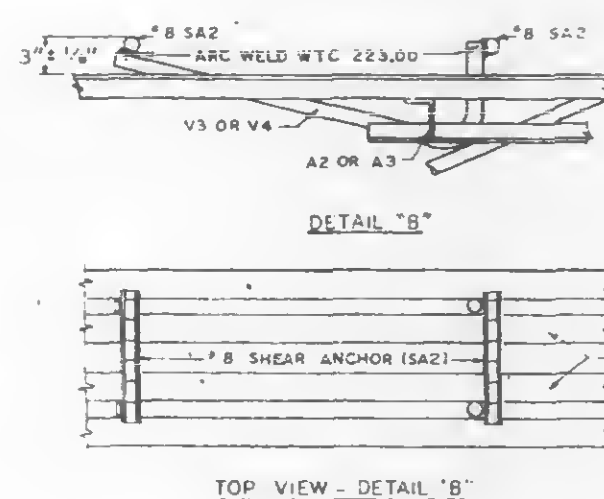
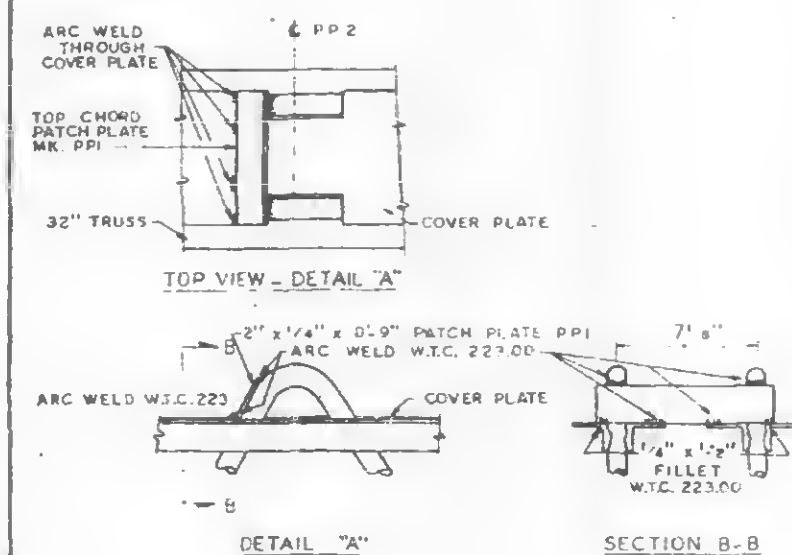
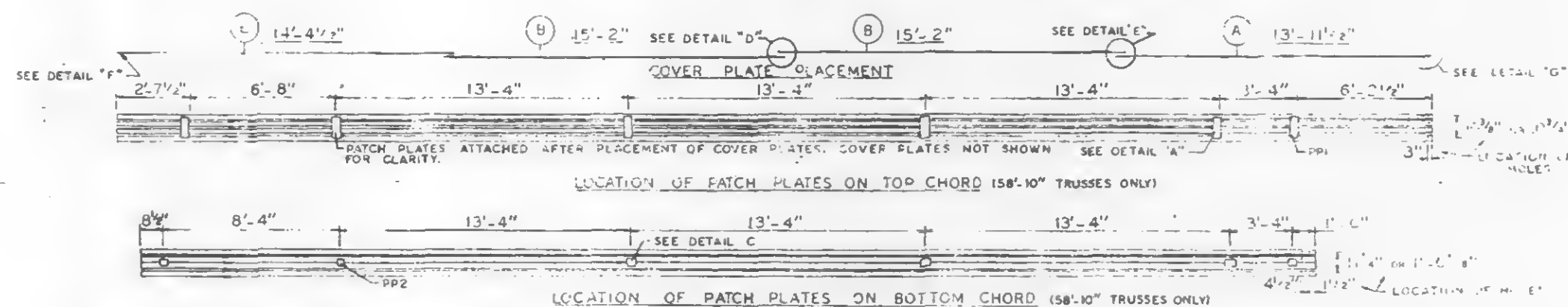
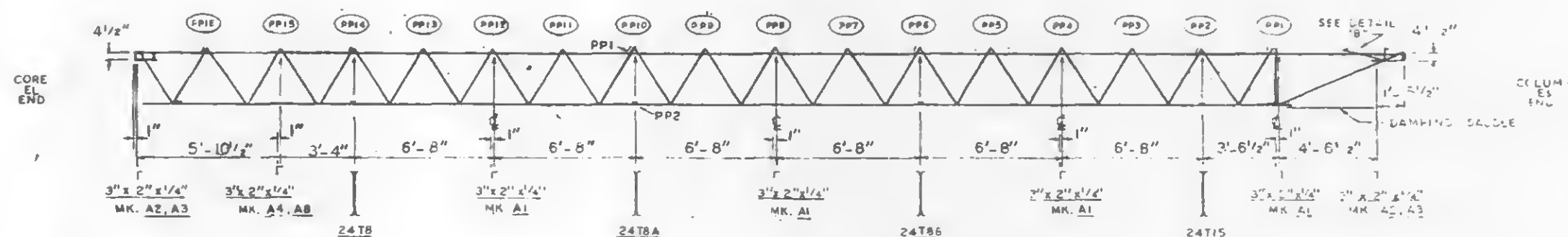


41/2" ABOVE COLUMN
CLIFF FOR TRUSS
BEARING.

REQUIRED MATERIAL PER PANEL				FF
MATERIAL	MK.	PCS	SIZE	W.G.
FLOOR TRUSSES	T2K	1	C3272K - 58'-6"	ST 202K
	T3K	2	C3273 - 58'-10"	ST 203
	T4	2	C3273 - 58'-10"	ST 208
	T16	1	C3276 - 58'-10"	ST 210
	T8	1	24Tb - 10'-11"	BT 20B
	T8A	1	24T8A - 11"	BT 208A
BRIDGING TRUSSES	T66	1	24T6 0'-11"	BT 206
	T1L	1	24T1 15'-11"	B 10
	A1	4	3"x 2" x 6' x 5' x 10'-11"	ST 403
	A2	4	3"x 2" x 6' x 5' x 10'	ST 40
	A1	2	3"x 2" x 6' x 5' x 10'	ST 403
	A1	1	3"x 2" x 6' x 5' x 10'	ST 403
3" x 2" x 1/4" ANGLE	AB	1	3"x 2" x 6' x 5' x 10'	ST 405
	AB	1	3"x 2" x 6' x 5' x 10'	ST 405
DIAGONAL FLATS	A1	1	3"x 2" x 6' x 5' x 10'	ST 405
	A	3	1/2" x 13'-11"	ST 303
	B	1	1/2" x 13'-11"	ST 303
COVER PLATES	A	2	1/2" x 13'-11"	ST 303
	A	2	1/2" x 13'-11"	ST 303
	A	2	1/2" x 13'-11"	ST 303
FLOOR CH.	C1	20	2"x 4"x 12'-4" x 12'-0"	ST 400
	C2	4	2"x 4"x 12'-4" x 12'-0"	ST 400
	C2	4	2"x 4"x 12'-4" x 12'-0"	ST 400
LAMPING SADDLE	DUS-1	1	3"x 4"x 12'-4" x 12'-0"	ST 298
	DUS-1	1	3"x 4"x 12'-4" x 12'-0"	ST 298
	DUS-1	1	3"x 4"x 12'-4" x 12'-0"	ST 298
CONNECTION BAR	CB1	1	1" x 1" x 1'-3"	ST 400
	CB2	6	1/2" x 1'-3"	ST 400
	CB2	8	1/2" x 1'-5"	ST 400
	CB2	5	3/4" x 1'-3" x 1'-3"	ST 400
	CB2	1	4"x 1" x 1'-3"	ST 400
	CB2	1	4"x 1" x 1'-3"	ST 400
CONNECTION PLATES	FS	3	4"x 1" x 1'-3"	ST 400
	FS	3	4"x 1" x 1'-3"	ST 400
	FS	3	4"x 1" x 1'-3"	ST 400
	FS	3	4"x 1" x 1'-3"	ST 400
	FS	3	4"x 1" x 1'-3"	ST 400
	FS	3	4"x 1" x 1'-3"	ST 400
5' B SHEAR PLATE	SB2	8	5' x 1/2" x 1'-3"	ST 400
	SB2	18	2" x 1/2" x 1'-3"	ST 400
	SB2	18	2" x 1/2" x 1'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. HYDROGEN RODS IN THE E-7C SERIES OR EQUAL.

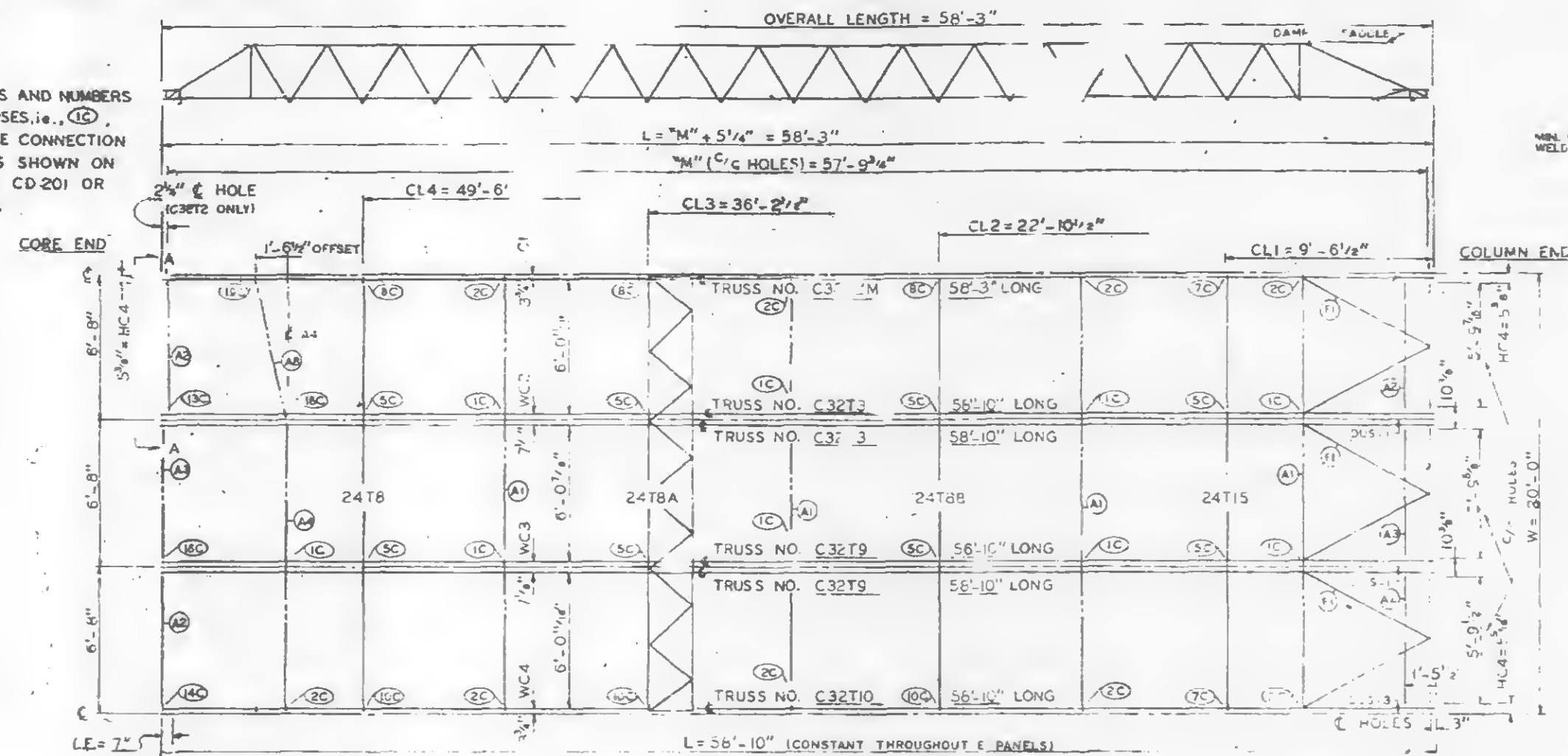
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE $\frac{1}{4} \times 1"$ FULL THROAT FILLET.



NO	DATE	REVISION	B
PFF, DPWGS:	7-ABZ-3-10	7-22-68	
	7-AB7-11	7-22-68	
	7-AB4-5,3,1	1-3 -68	
	7-AB4-15 & 6,30	7-22-68	
	7-AB4-42	10-15-68	
	SA-124	10-11-68	
	7-GBI-3	7-22-68	
	7-AB1-6,7 & 8	7-22-68	

FLOOR PANEL DETAILS			
WORKED FOR E. CENTER - N.Y.C.			
THE DEPT OF NEW YORK AUTHORITY			
BLOC. A FLOORS		46(N)	
PANEL EIK - 70' x 58'-6"			
FABRICATION BY <u>LACLEDE STEEL COMPANY</u>			
FABRICATED AT <u>MADISON, ILLINOIS</u>	DESIGN DRAWING NO. <u>7-22-68</u>	PLATE	
APPROVED FOR FABRICATION BY <u>W. R.</u>	DRAWN BY <u>W.C.</u>		
APPROVED FOR FABRICATION BY <u>W. R.</u>	DATE <u>NOV. 1, 1968</u>		
APPROVED FOR FABRICATION BY <u>W. R.</u>	CHECKED BY <u>T.M. CHURA</u>	IN CHARGE OF	
APPROVED FOR FABRICATION BY <u>W. R.</u>	DATE <u>NOV. 4, 1968</u>	PROD. DEPT.	
FABRICATION CONT NO. <u>WTC 221</u>		SHEET NO. <u>FP EIK</u>	

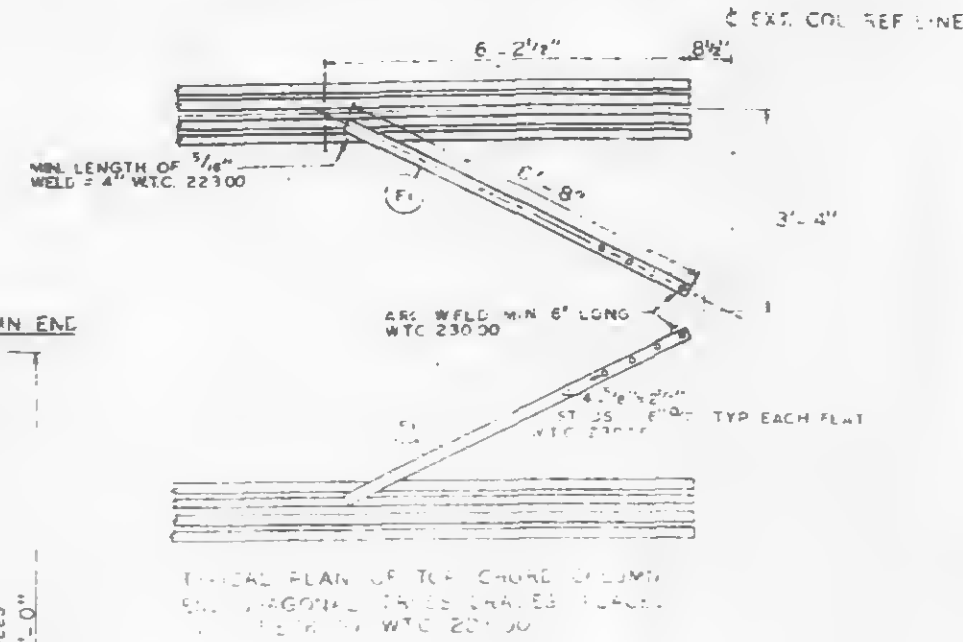
LETTERS AND NUMBERS IN ELLIPSES, (E), (C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.



DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32TL TRUSS.

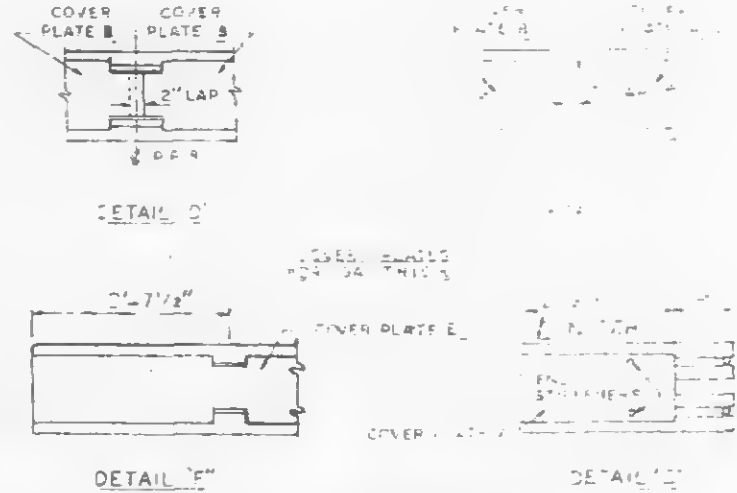
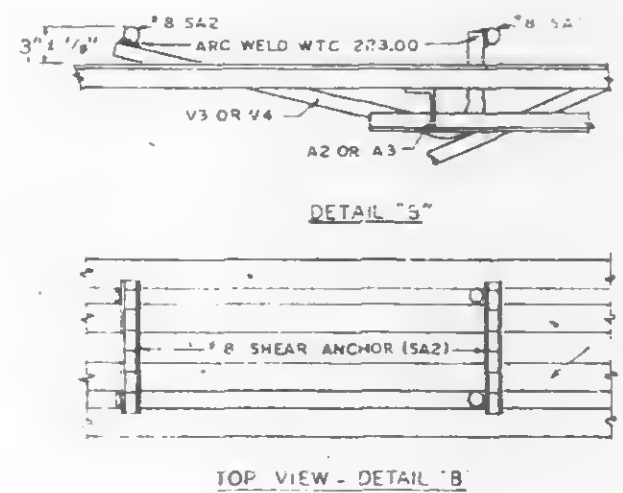
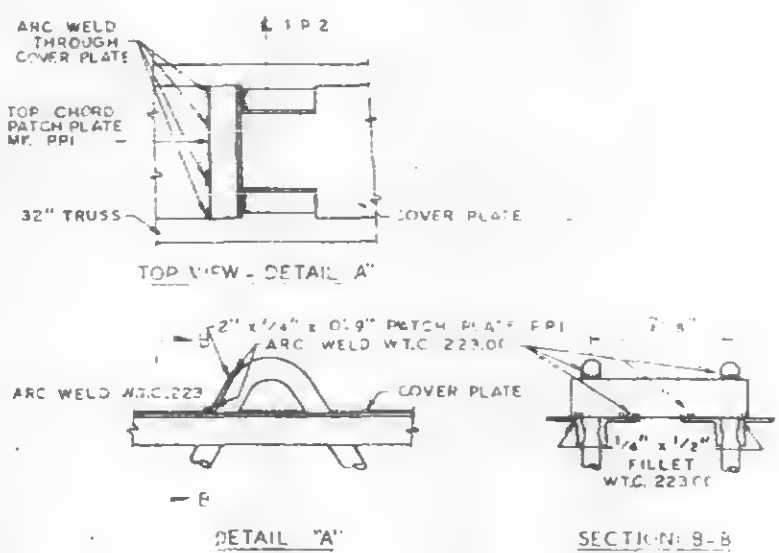
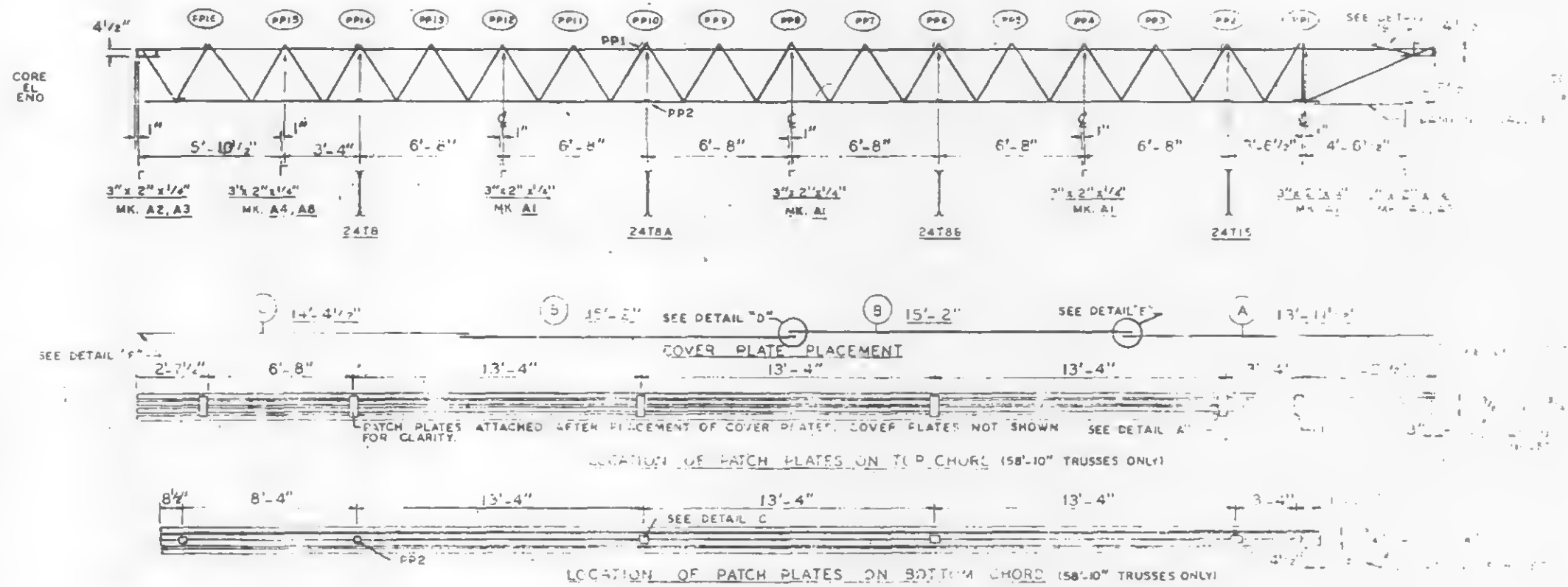
PANEL NO. EIM SIZE 20' x 58'-3"

CONNECTION 18-C & 19-C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13-C, 16-C & 14-C SHOWN ON SHEETS CD 201, CD 208 & CD 207 RESPECTIVELY.



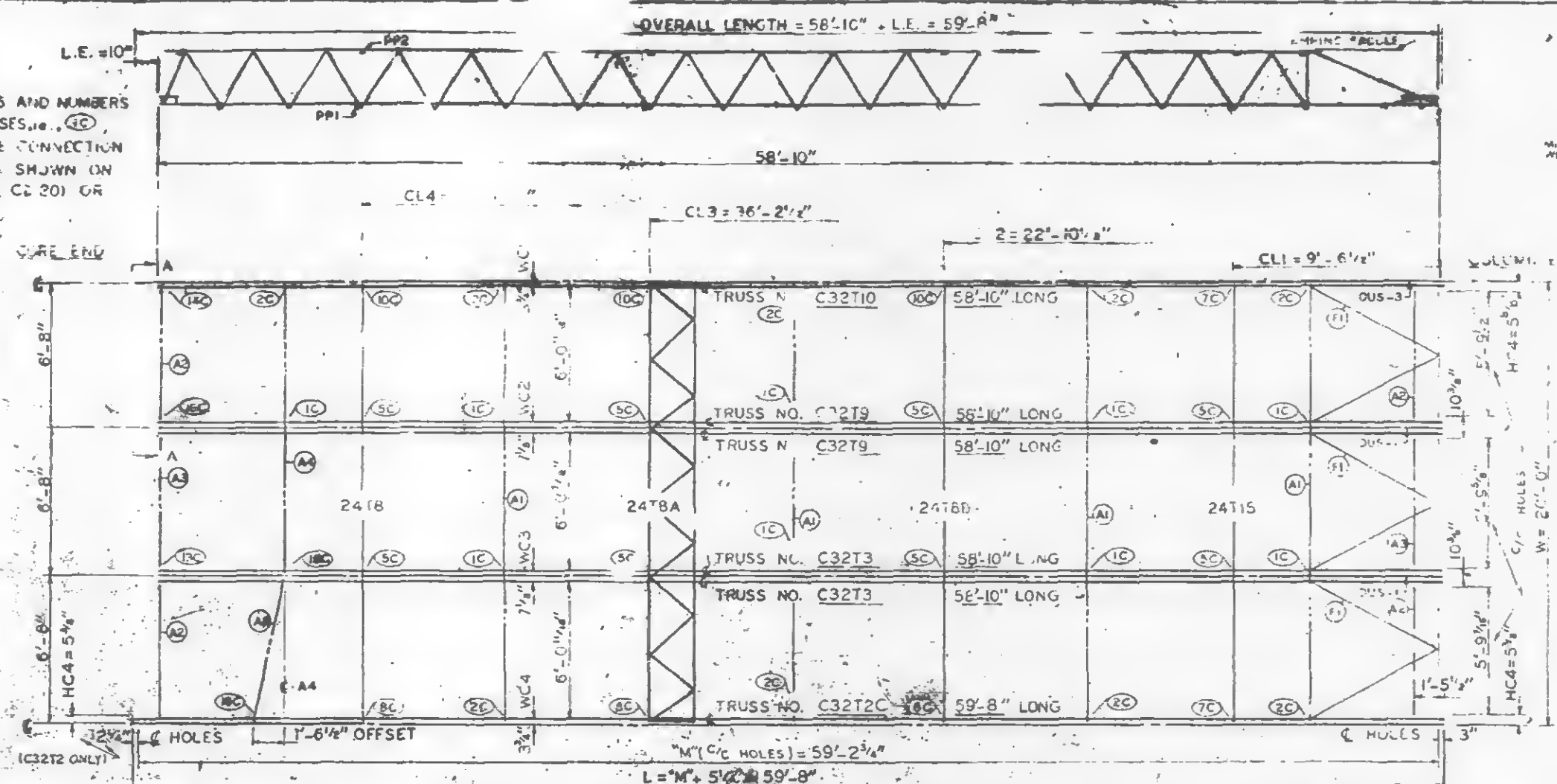
REQUIRED MATERIAL PER PANEL				
MATERIAL	QTY	PCS	SIZE	ST 20, M
FLOOR TRUSSES	T2M	1	C32TM - 58'-3"	ST 20, M
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 18
	T8A	1	24T8A - 19'-11"	BT 18A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	1	3" x 2" x 1/4" L	ST 40
	A2	4	3" x 2" x 1/4" L	ST 40
	A3	1	3" x 2" x 1/4" L	ST 40
	A4	1	3" x 2" x 1/4" L	ST 40
GIRDER FLAT	F1	1	1/2" x 12" x 1/4"	ST 402
	F2	1	1/2" x 12" x 1/4"	ST 402
	F3	1	1/2" x 12" x 1/4"	ST 402
	F4	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C1	1	1/2" x 12" x 1/4"	ST 402
	C2	1	1/2" x 12" x 1/4"	ST 402
	C3	1	1/2" x 12" x 1/4"	ST 402
	C4	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C5	1	1/2" x 12" x 1/4"	ST 402
	C6	1	1/2" x 12" x 1/4"	ST 402
	C7	1	1/2" x 12" x 1/4"	ST 402
	C8	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C9	1	1/2" x 12" x 1/4"	ST 402
	C10	1	1/2" x 12" x 1/4"	ST 402
	C11	1	1/2" x 12" x 1/4"	ST 402
	C12	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C13	1	1/2" x 12" x 1/4"	ST 402
	C14	1	1/2" x 12" x 1/4"	ST 402
	C15	1	1/2" x 12" x 1/4"	ST 402
	C16	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C17	1	1/2" x 12" x 1/4"	ST 402
	C18	1	1/2" x 12" x 1/4"	ST 402
	C19	1	1/2" x 12" x 1/4"	ST 402
	C20	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C21	1	1/2" x 12" x 1/4"	ST 402
	C22	1	1/2" x 12" x 1/4"	ST 402
	C23	1	1/2" x 12" x 1/4"	ST 402
	C24	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C25	1	1/2" x 12" x 1/4"	ST 402
	C26	1	1/2" x 12" x 1/4"	ST 402
	C27	1	1/2" x 12" x 1/4"	ST 402
	C28	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C29	1	1/2" x 12" x 1/4"	ST 402
	C30	1	1/2" x 12" x 1/4"	ST 402
	C31	1	1/2" x 12" x 1/4"	ST 402
	C32	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C33	1	1/2" x 12" x 1/4"	ST 402
	C34	1	1/2" x 12" x 1/4"	ST 402
	C35	1	1/2" x 12" x 1/4"	ST 402
	C36	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C37	1	1/2" x 12" x 1/4"	ST 402
	C38	1	1/2" x 12" x 1/4"	ST 402
	C39	1	1/2" x 12" x 1/4"	ST 402
	C40	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C41	1	1/2" x 12" x 1/4"	ST 402
	C42	1	1/2" x 12" x 1/4"	ST 402
	C43	1	1/2" x 12" x 1/4"	ST 402
	C44	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C45	1	1/2" x 12" x 1/4"	ST 402
	C46	1	1/2" x 12" x 1/4"	ST 402
	C47	1	1/2" x 12" x 1/4"	ST 402
	C48	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C49	1	1/2" x 12" x 1/4"	ST 402
	C50	1	1/2" x 12" x 1/4"	ST 402
	C51	1	1/2" x 12" x 1/4"	ST 402
	C52	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C53	1	1/2" x 12" x 1/4"	ST 402
	C54	1	1/2" x 12" x 1/4"	ST 402
	C55	1	1/2" x 12" x 1/4"	ST 402
	C56	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C57	1	1/2" x 12" x 1/4"	ST 402
	C58	1	1/2" x 12" x 1/4"	ST 402
	C59	1	1/2" x 12" x 1/4"	ST 402
	C60	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C61	1	1/2" x 12" x 1/4"	ST 402
	C62	1	1/2" x 12" x 1/4"	ST 402
	C63	1	1/2" x 12" x 1/4"	ST 402
	C64	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C65	1	1/2" x 12" x 1/4"	ST 402
	C66	1	1/2" x 12" x 1/4"	ST 402
	C67	1	1/2" x 12" x 1/4"	ST 402
	C68	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C69	1	1/2" x 12" x 1/4"	ST 402
	C70	1	1/2" x 12" x 1/4"	ST 402
	C71	1	1/2" x 12" x 1/4"	ST 402
	C72	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C73	1	1/2" x 12" x 1/4"	ST 402
	C74	1	1/2" x 12" x 1/4"	ST 402
	C75	1	1/2" x 12" x 1/4"	ST 402
	C76	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C77	1	1/2" x 12" x 1/4"	ST 402
	C78	1	1/2" x 12" x 1/4"	ST 402
	C79	1	1/2" x 12" x 1/4"	ST 402
	C80	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C81	1	1/2" x 12" x 1/4"	ST 402
	C82	1	1/2" x 12" x 1/4"	ST 402
	C83	1	1/2" x 12" x 1/4"	ST 402
	C84	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C85	1	1/2" x 12" x 1/4"	ST 402
	C86	1	1/2" x 12" x 1/4"	ST 402
	C87	1	1/2" x 12" x 1/4"	ST 402
	C88	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C89	1	1/2" x 12" x 1/4"	ST 402
	C90	1	1/2" x 12" x 1/4"	ST 402
	C91	1	1/2" x 12" x 1/4"	ST 402
	C92	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C93	1	1/2" x 12" x 1/4"	ST 402
	C94	1	1/2" x 12" x 1/4"	ST 402
	C95	1	1/2" x 12" x 1/4"	ST 402
	C96	1	1/2" x 12" x 1/4"	ST 402
CONNECTION PLATE	C97	1	1/2" x 12" x 1/4"	ST 402
	C98	1	1/2" x 12" x 1/4"	ST 402
	C99	1	1/2" x 12" x 1/4"	ST 402
	C100	1	1/2" x 12" x 1/4"	ST 402

- ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUIV.
- UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	7-22-68		
2	7-22-68		
3	7-22-68		
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100	7-22-68		

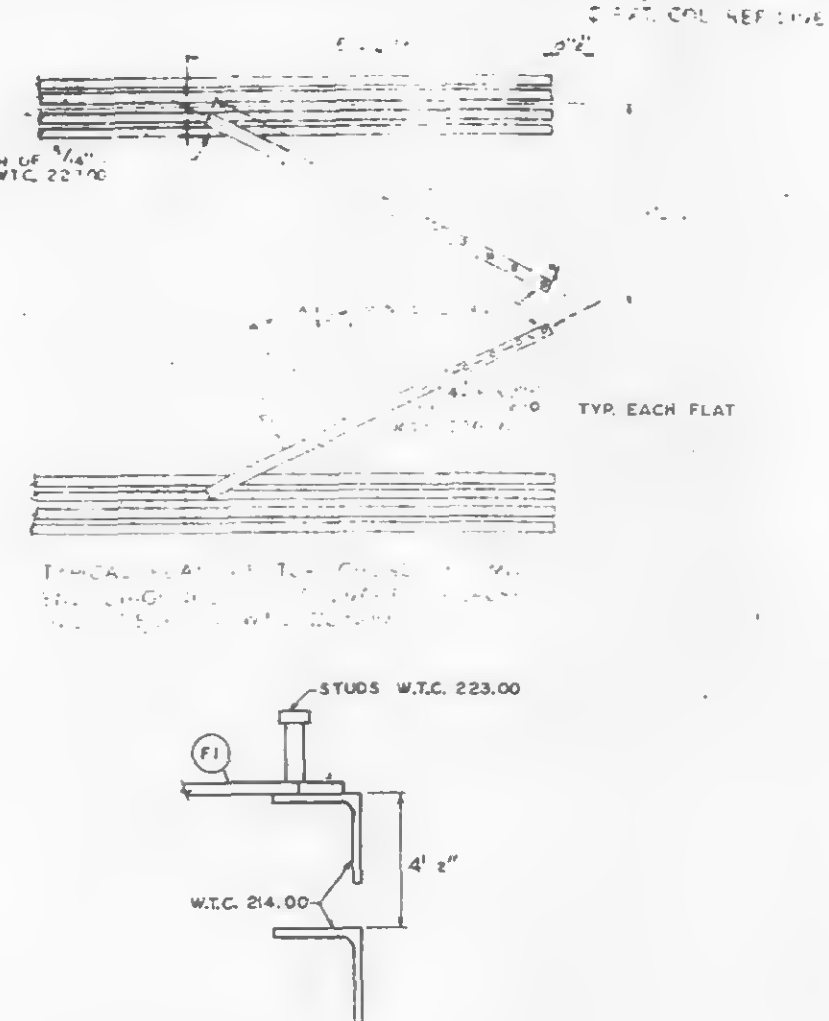
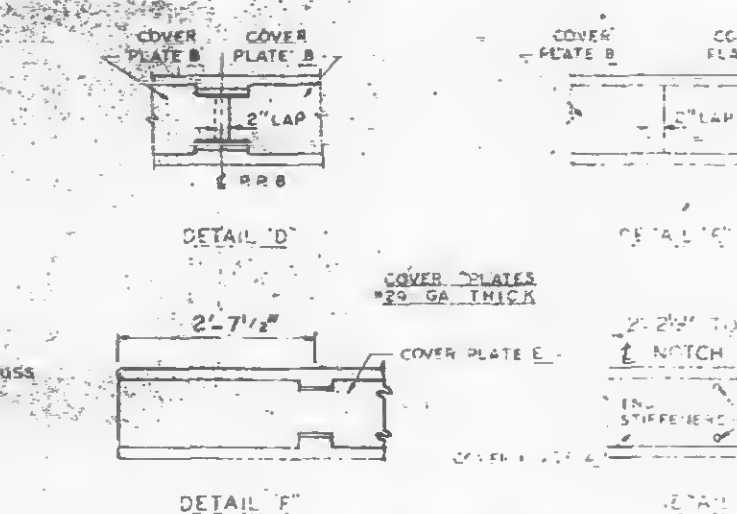
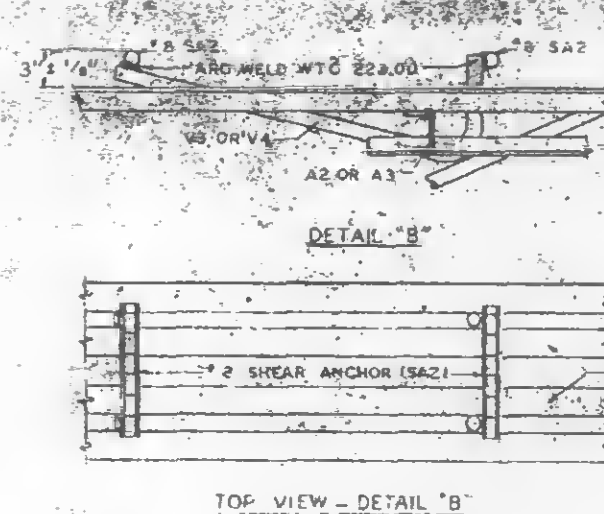
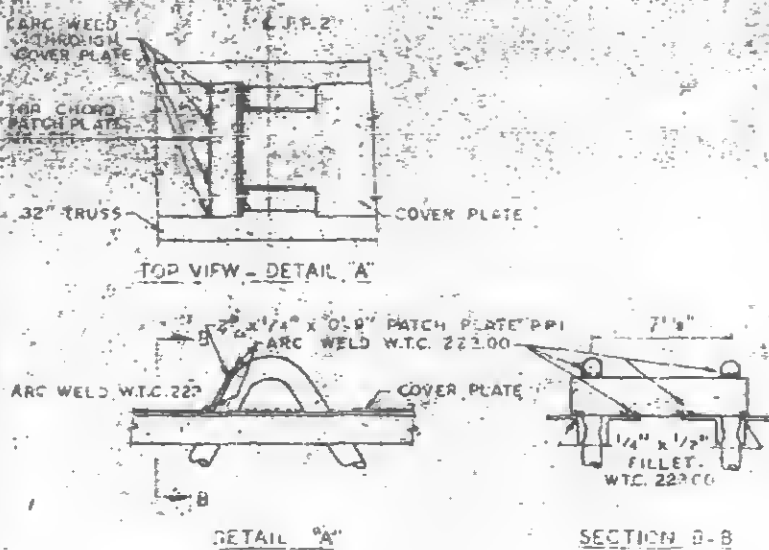
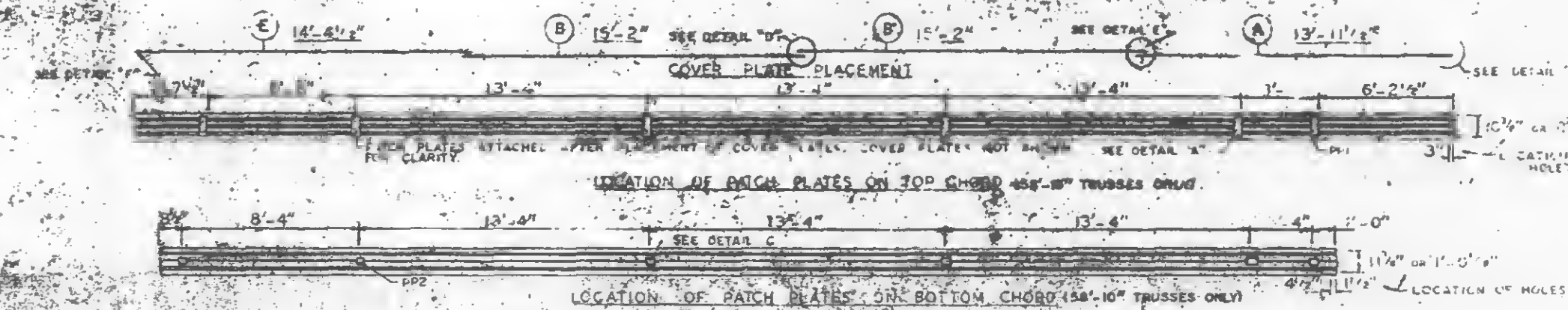
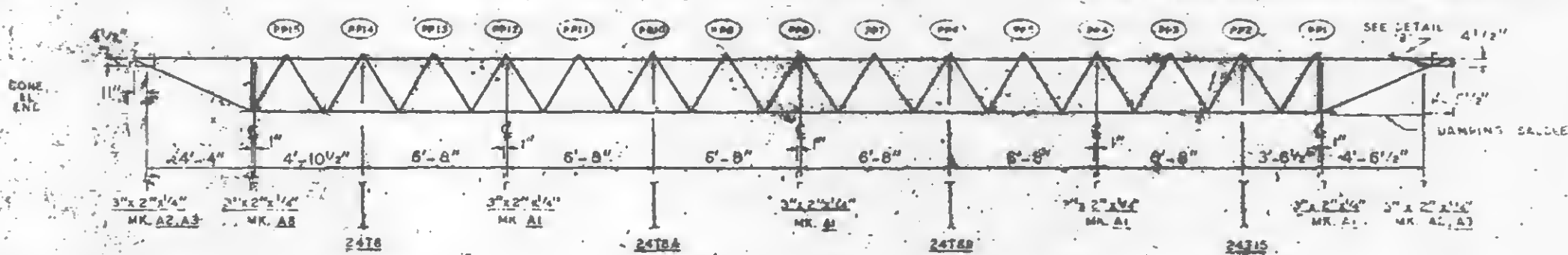
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.



DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.

PANEL NO. ERIC SIZE 20' x 59'-8"

CONNECTION 18C & 19C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 200, CD 208 & CD 207 RESPECTIVELY.



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

ITEM	QTY	DESCRIPTION	SIZE	STANDARD
1	1	C32T10	58'-10"	ST 200C
2	1	C32T9	58'-10"	ST 200C
3	1	C32T3	58'-10"	ST 200C
4	1	C32T2C	58'-10"	ST 200C
5	1	C32T10	58'-10"	ST 200C
6	1	C32T9	58'-10"	ST 200C
7	1	C32T3	58'-10"	ST 200C
8	1	C32T2C	58'-10"	ST 200C
9	1	C32T10	58'-10"	ST 200C
10	1	C32T9	58'-10"	ST 200C
11	1	C32T3	58'-10"	ST 200C
12	1	C32T2C	58'-10"	ST 200C
13	1	C32T10	58'-10"	ST 200C
14	1	C32T9	58'-10"	ST 200C
15	1	C32T3	58'-10"	ST 200C
16	1	C32T2C	58'-10"	ST 200C
17	1	C32T10	58'-10"	ST 200C
18	1	C32T9	58'-10"	ST 200C
19	1	C32T3	58'-10"	ST 200C
20	1	C32T2C	58'-10"	ST 200C
21	1	C32T10	58'-10"	ST 200C
22	1	C32T9	58'-10"	ST 200C
23	1	C32T3	58'-10"	ST 200C
24	1	C32T2C	58'-10"	ST 200C
25	1	C32T10	58'-10"	ST 200C
26	1	C32T9	58'-10"	ST 200C
27	1	C32T3	58'-10"	ST 200C
28	1	C32T2C	58'-10"	ST 200C
29	1	C32T10	58'-10"	ST 200C
30	1	C32T9	58'-10"	ST 200C
31	1	C32T3	58'-10"	ST 200C
32	1	C32T2C	58'-10"	ST 200C
33	1	C32T10	58'-10"	ST 200C
34	1	C32T9	58'-10"	ST 200C
35	1	C32T3	58'-10"	ST 200C
36	1	C32T2C	58'-10"	ST 200C
37	1	C32T10	58'-10"	ST 200C
38	1	C32T9	58'-10"	ST 200C
39	1	C32T3	58'-10"	ST 200C
40	1	C32T2C	58'-10"	ST 200C
41	1	C32T10	58'-10"	ST 200C
42	1	C32T9	58'-10"	ST 200C
43	1	C32T3	58'-10"	ST 200C
44	1	C32T2C	58'-10"	ST 200C
45	1	C32T10	58'-10"	ST 200C
46	1	C32T9	58'-10"	ST 200C
47	1	C32T3	58'-10"	ST 200C
48	1	C32T2C	58'-10"	ST 200C
49	1	C32T10	58'-10"	ST 200C
50	1	C32T9	58'-10"	ST 200C
51	1	C32T3	58'-10"	ST 200C
52	1	C32T2C	58'-10"	ST 200C
53	1	C32T10	58'-10"	ST 200C
54	1	C32T9	58'-10"	ST 200C
55	1	C32T3	58'-10"	ST 200C
56	1	C32T2C	58'-10"	ST 200C
57	1	C32T10	58'-10"	ST 200C
58	1	C32T9	58'-10"	ST 200C
59	1	C32T3	58'-10"	ST 200C
60	1	C32T2C	58'-10"	ST 200C
61	1	C32T10	58'-10"	ST 200C
62	1	C32T9	58'-10"	ST 200C
63	1	C32T3	58'-10"	ST 200C
64	1	C32T2C	58'-10"	ST 200C
65	1	C32T10	58'-10"	ST 200C
66	1	C32T9	58'-10"	ST 200C
67	1	C32T3	58'-10"	ST 200C
68	1	C32T2C	58'-10"	ST 200C
69	1	C32T10	58'-10"	ST 200C
70	1	C32T9	58'-10"	ST 200C
71	1	C32T3	58'-10"	ST 200C
72	1	C32T2C	58'-10"	ST 200C
73	1	C32T10	58'-10"	ST 200C
74	1	C32T9	58'-10"	ST 200C
75	1	C32T3	58'-10"	ST 200C
76	1	C32T2C	58'-10"	ST 200C
77	1	C32T10	58'-10"	ST 200C
78	1	C32T9	58'-10"	ST 200C
79	1	C32T3	58'-10"	ST 200C
80	1	C32T2C	58'-10"	ST 200C
81	1	C32T10	58'-10"	ST 200C
82	1	C32T9	58'-10"	ST 200C
83	1	C32T3	58'-10"	ST 200C
84	1	C32T2C	58'-10"	ST 200C
85	1	C32T10	58'-10"	ST 200C
86	1	C32T9	58'-10"	ST 200C
87	1	C32T3	58'-10"	ST 200C
88	1	C32T2C	58'-10"	ST 200C
89	1	C32T10	58'-10"	ST 200C
90	1	C32T9	58'-10"	ST 200C
91	1	C32T3	58'-10"	ST 200C
92	1	C32T2C	58'-10"	ST 200C
93	1	C32T10	58'-10"	ST 200C
94	1	C32T9	58'-10"	ST 200C
95	1	C32T3	58'-10"	ST 200C
96	1	C32T2C	58'-10"	ST 200C
97	1	C32T10	58'-10"	ST 200C
98	1	C32T9	58'-10"	ST 200C
99	1	C32T3	58'-10"	ST 200C
100	1	C32T2C	58'-10"	ST 200C

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/2" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION
1	7-22-68	1. ABB 3.4.10
2	7-22-68	2. ABB 3.4.10
3	7-22-68	3. ABB 3.4.10
4	7-22-68	4. ABB 3.4.10
5	7-22-68	5. ABB 3.4.10
6	7-22-68	6. ABB 3.4.10
7	7-22-68	7. ABB 3.4.10
8	7-22-68	8. ABB 3.4.10
9	7-22-68	9. ABB 3.4.10
10	7-22-68	10. ABB 3.4.10

PROJECT: 50-58, 60-66, 68-74, 80-91, 93-106 (S)

PANEL ERIC 20' x 59'-8"

DATE: 11/20/68

BY: [Signature]

FOR: [Signature]

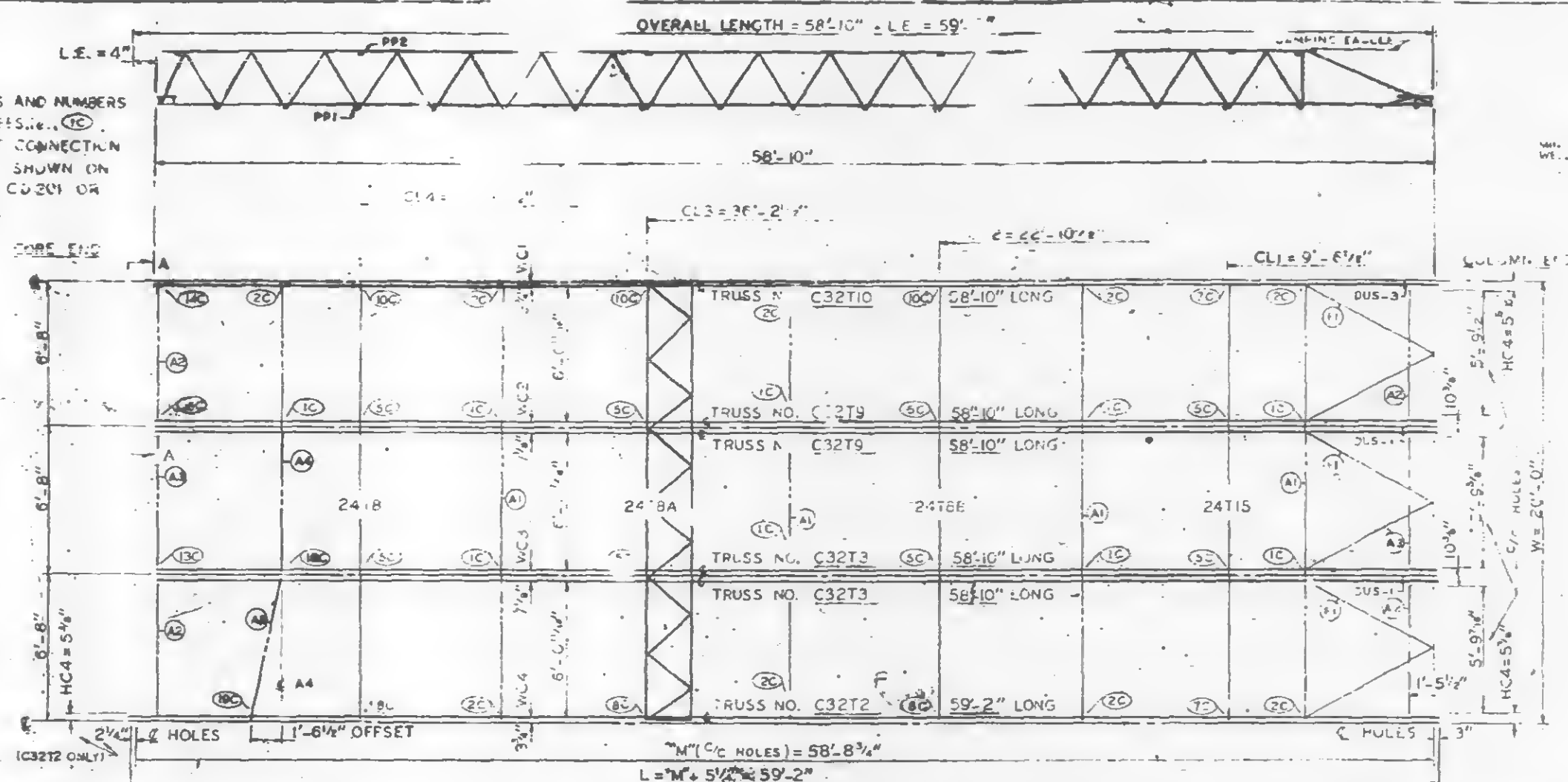
APPROVED: [Signature]

COMPANY: [Signature]

SCALE: 1/4" = 1'-0"

NOTES: [List of notes]

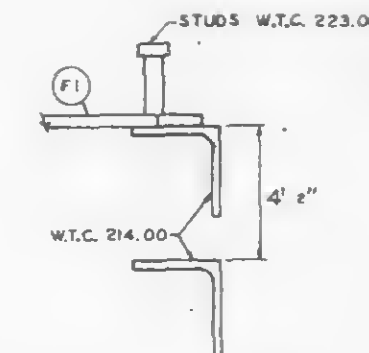
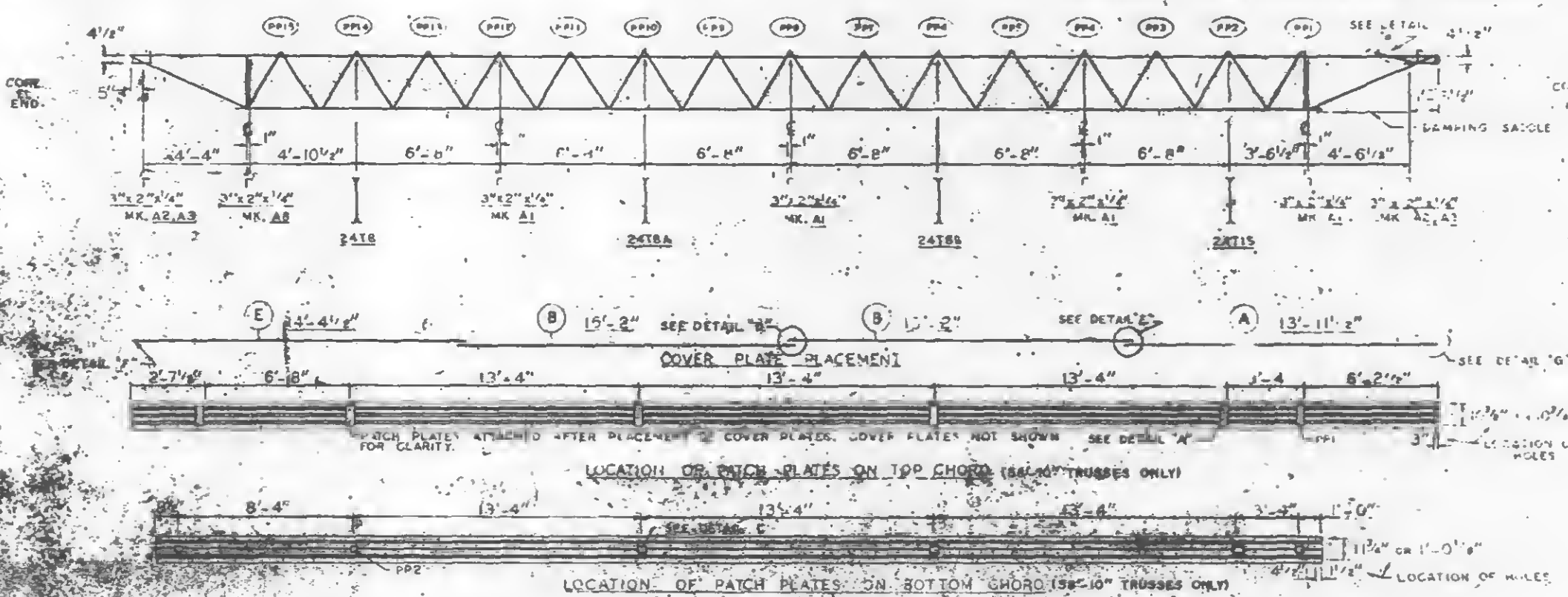
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD201 OR CD202.



DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.

PANEL NO. ERIF SIZE 20' x 59'-2"

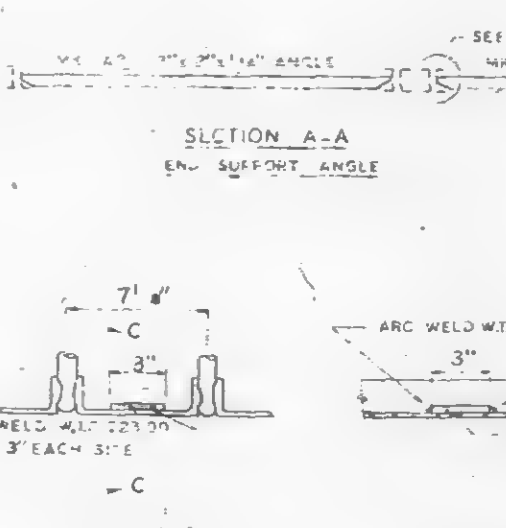
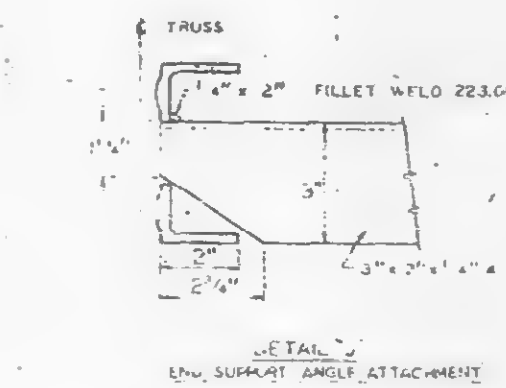
CONNECTION 18C & 19C SHOWN ON SHEET CD204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

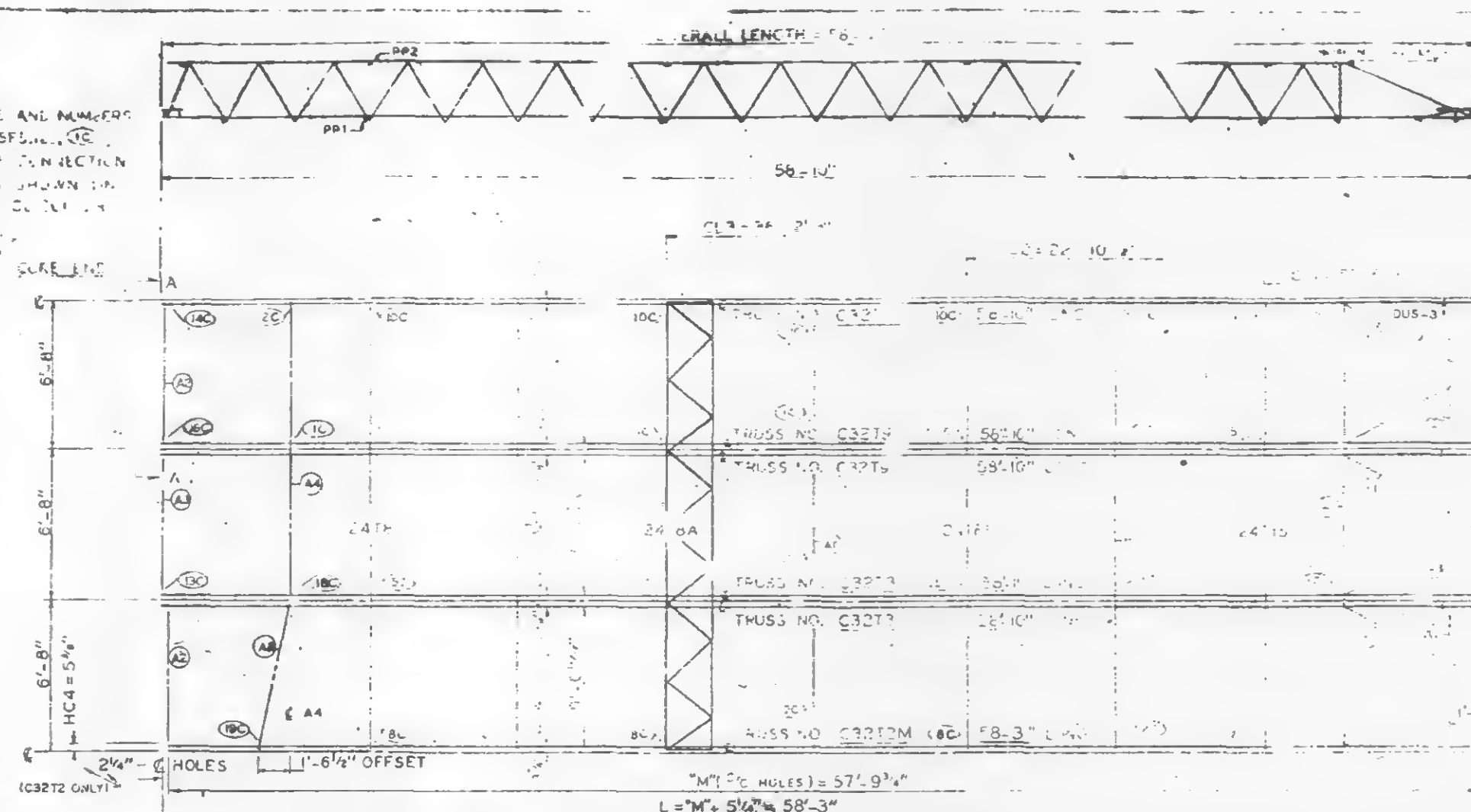
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97	7-22-68	7-22-68
98	7-22-68	7-22-68
99	7-22-68	7-22-68
100	7-22-68	7-22-68

(1) ALL ARC WELD TO BE MADE WITH LOW HY. SOLEN RODS IN THE 6-10 SERIES OR EQUIVALENT.
(2) UNLESS OTHERWISE SHOWN, ALL CONNECTION ARC WELDS TO BE 1/8" x 1/8" FULL THROAT FILLET.



NO.	DATE	REVISION
1	7-22-68	7-22-68
2	7-22-68	7-22-68
3	7-22-68	7-22-68
4	7-22-68	7-22-68
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100	7-22-68	7-22-68

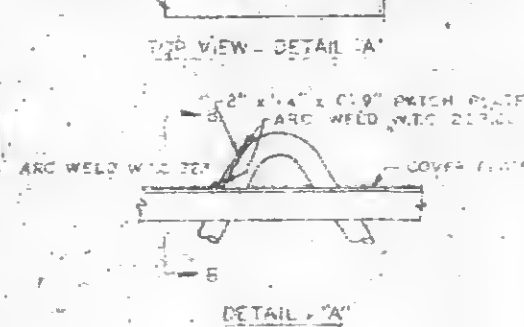
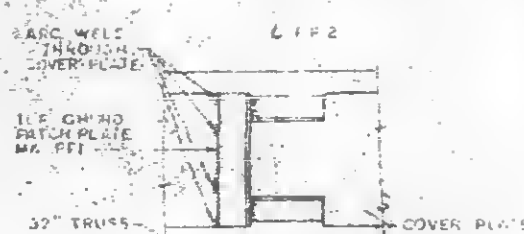
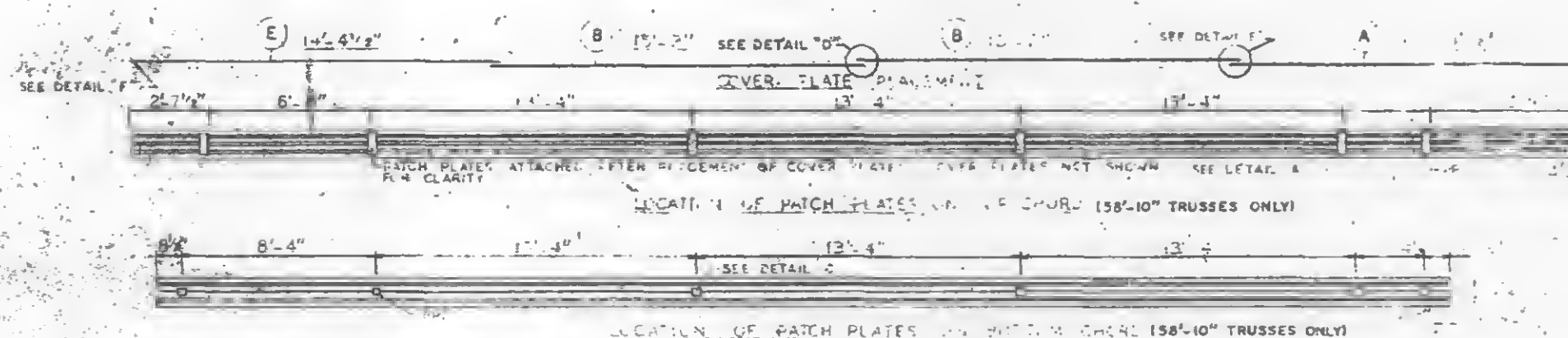
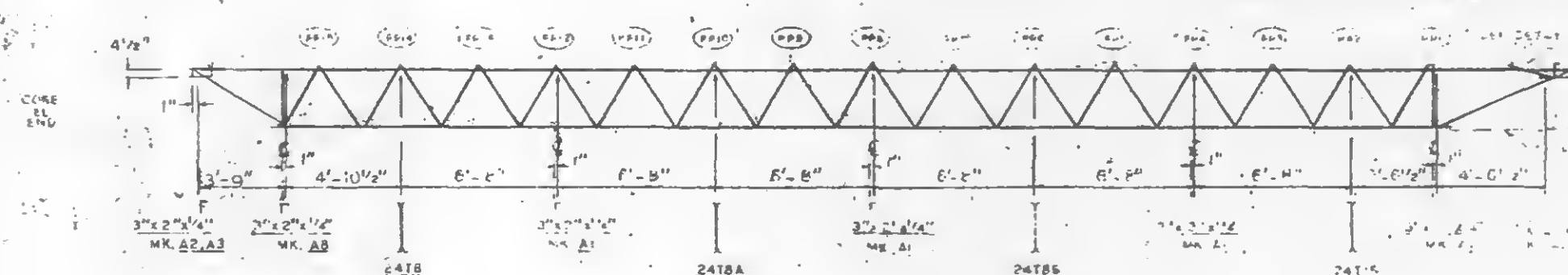
LETTERS AND NUMBERS
WELLS-FERRELL
INDICATE CONNECTION
DETAILS SHOWN ON
SHEETS CD 209, CD 208
OR CD 207



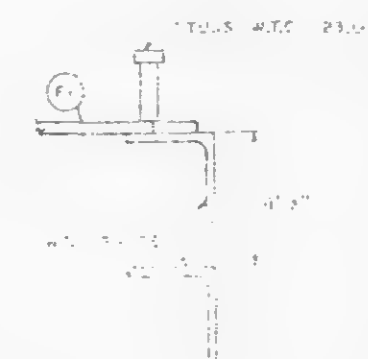
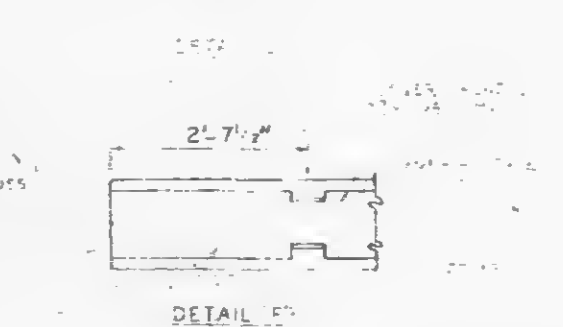
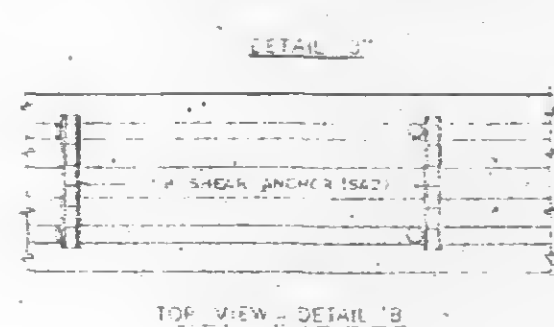
DIMENSION L.E. VARIES ACCORDING TO LENGTH
OF C32T2 TRUSS.

PANEL DIM. ERIM SIZE 20' x 58'3"

CONNECTION 101 & 102 SHOWN ON SHEET CD 209.
SPECIAL CONNECTIONS 100, 103 & 104 SHOWN
ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.



SECTION B-B



CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
4 1/2" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.

NO.	DATE	REVISION
1	11/10/68	1
2	11/10/68	2
3	11/10/68	3
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100	11/10/68	100

NO.	DATE	REVISION
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72-73 (N)

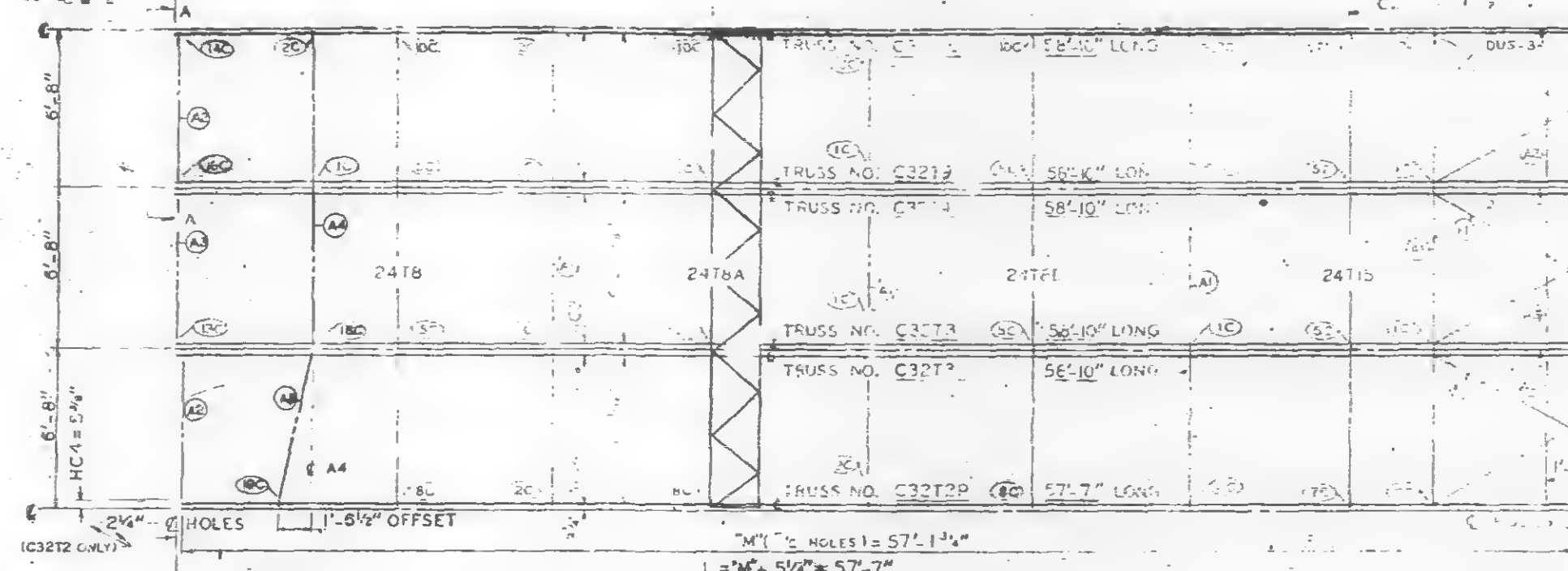
ERIM 83

11/10/68

ERIM

LETTERS AND NUMBERS
IN PARENTHESES
INDICATE CONNECTION
DETAILS SHOWN ON
SHEETS C-207 OR
C-208.

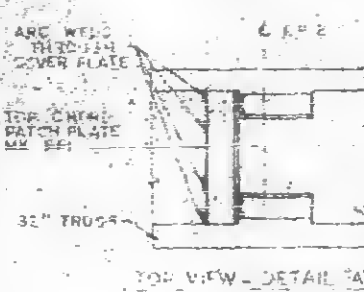
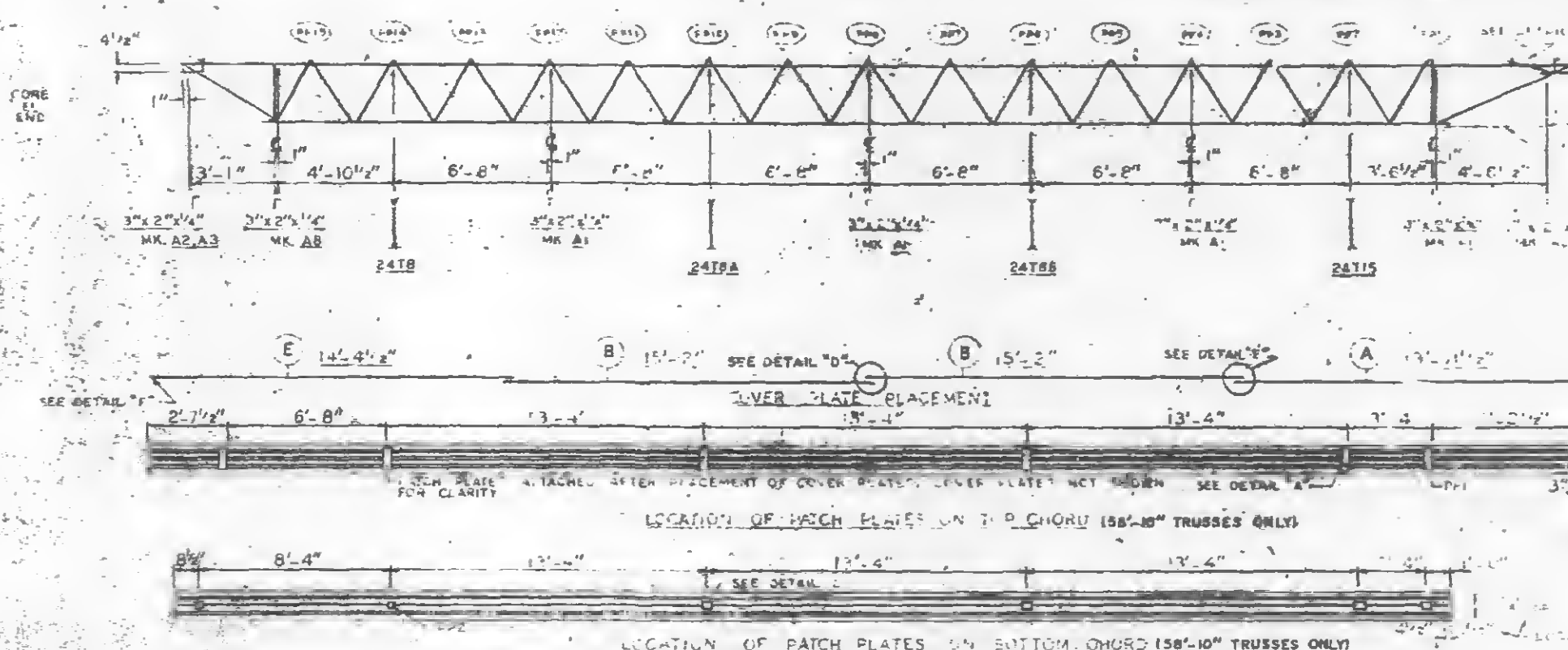
CORE END



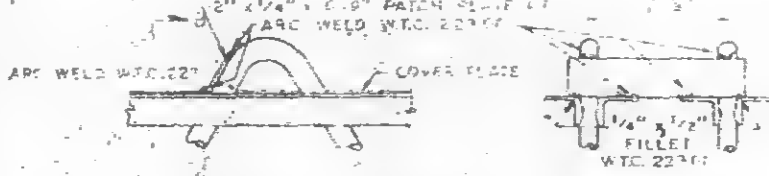
DIMENSION L.E. VARIES ACCORDING TO LENGTH
OF C3212 TRUSS.

PANEL NO. ERIP SIZE 20' x 57'-7"

CONNECTION 18C & 19C SHOWN ON SHEET C-204.
SPECIAL CONNECTIONS 18C, 19C, & 19C SHOWN
ON SHEETS C-209, C-208 & C-207, RESPECTIVELY.

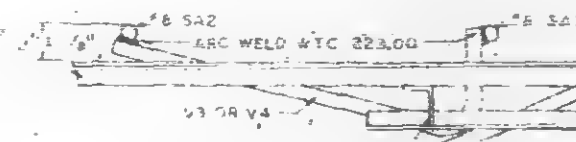


TOP VIEW - DETAIL "A"

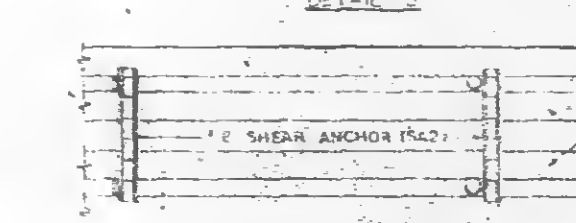


DETAIL "B"

SECTION B-B



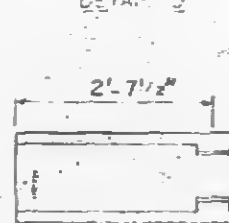
DETAIL "C"



TOP VIEW - DETAIL "D"

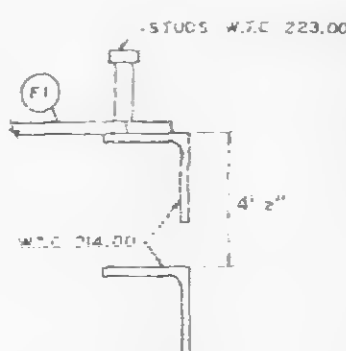


DETAIL "E"



DETAIL "F"

FIELD JOINT
COVER PLATES
END STIFFENERS WTC 22300



CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
4'-6" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.

NO.	DATE	REVISION
1	7-10-68	7-22-68
2	7-10-68	10-15-68
3	7-10-68	1-3-69
4	7-10-68	7-22-69
5	7-10-68	0-15-70
6	7-10-68	10-11-71
7	7-10-68	7-22-72
8	7-10-68	7-22-73

NO.	DATE	REVISION
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2	7-10-68	10-15-68
3	7-10-68	1-3-69
4	7-10-68	7-22-69
5	7-10-68	0-15-70
6	7-10-68	10-11-71
7	7-10-68	7-22-72
8	7-10-68	7-22-73

1) ALL WELDS TO BE MADE WITH E-70 HY. 100EN
RUDS IN THE E-70 SERIES OR EQUAL
2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC
WELDS TO BE 1/4" X 1" FULL THROAT FILLET.

NO.	DATE	REVISION
1	7-10-68	7-22-68
2	7-10-68	10-15-68
3	7-10-68	1-3-69
4	7-10-68	7-22-69
5	7-10-68	0-15-70
6	7-10-68	10-11-71
7	7-10-68	7-22-72
8	7-10-68	7-22-73

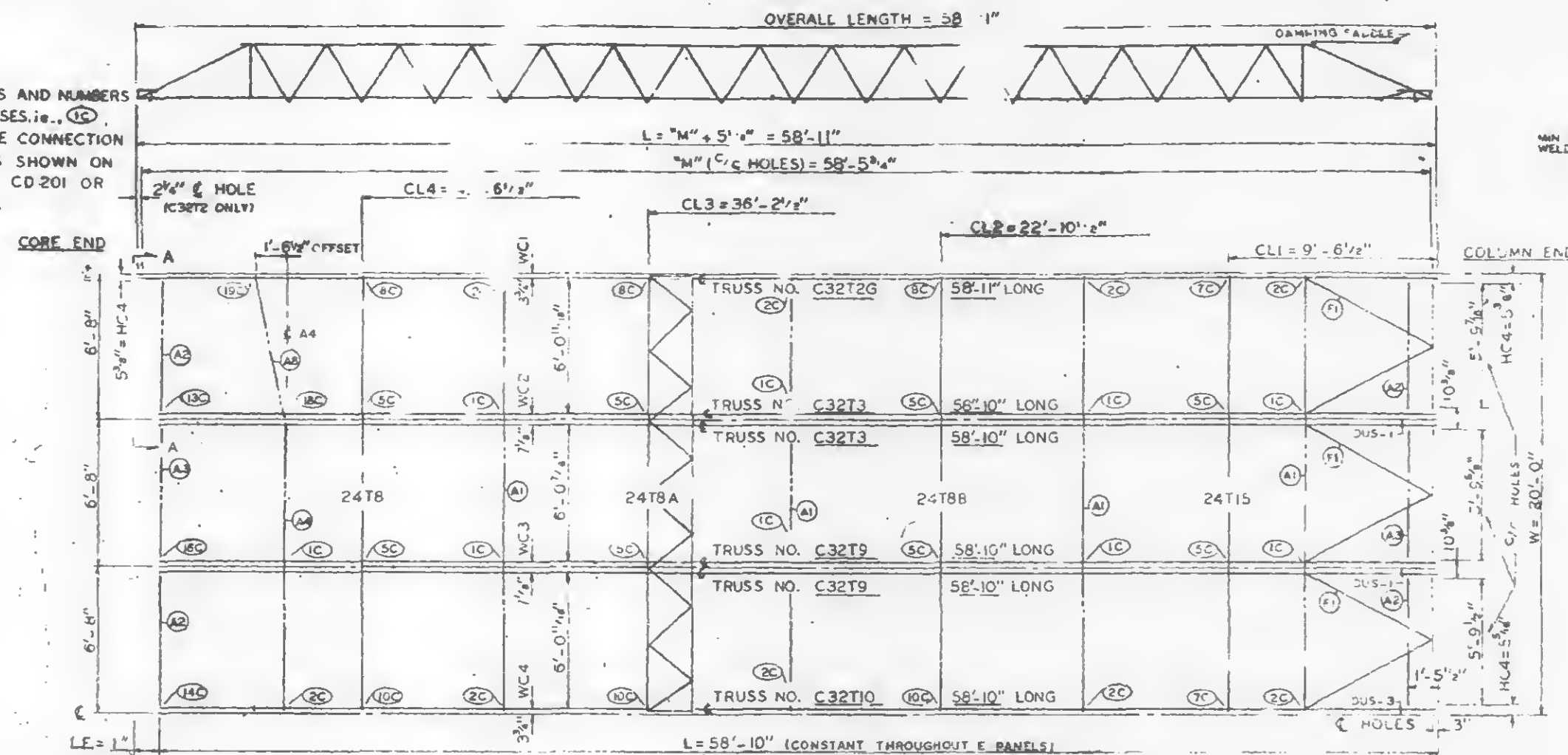
74 (N)

ERIP 77

James White 11/20/68

ATC 221 FF-ERIP

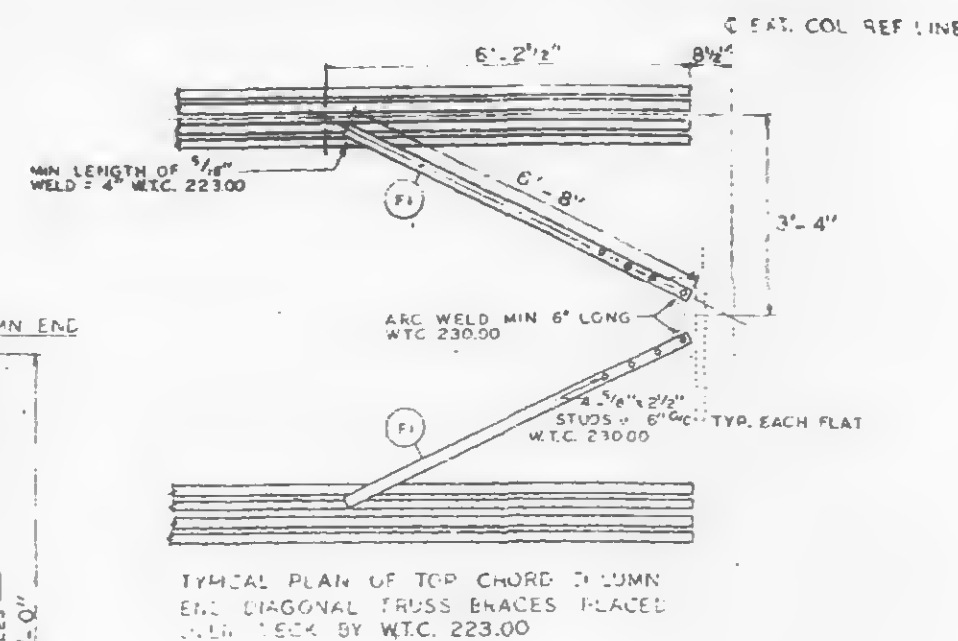
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.



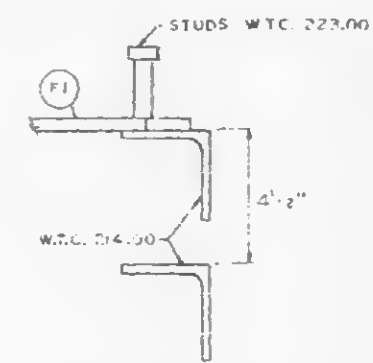
DIMENSION L.E. VARYS ACCORDING TO LENGTH OF C32T2 TRUSS.

PANEL NO. EIG SIZE 20' x 58'-11"

CONNECTION 18-C & 19-C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13-C, 16-C & 14-C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.



TYPICAL PLAN OF TOP CHORD COLUMN END. DIAGONAL TRUSS ENACES PLACED WITH 1/2" BY W.T.C. 223.00



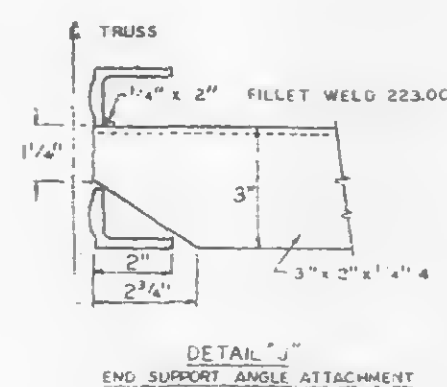
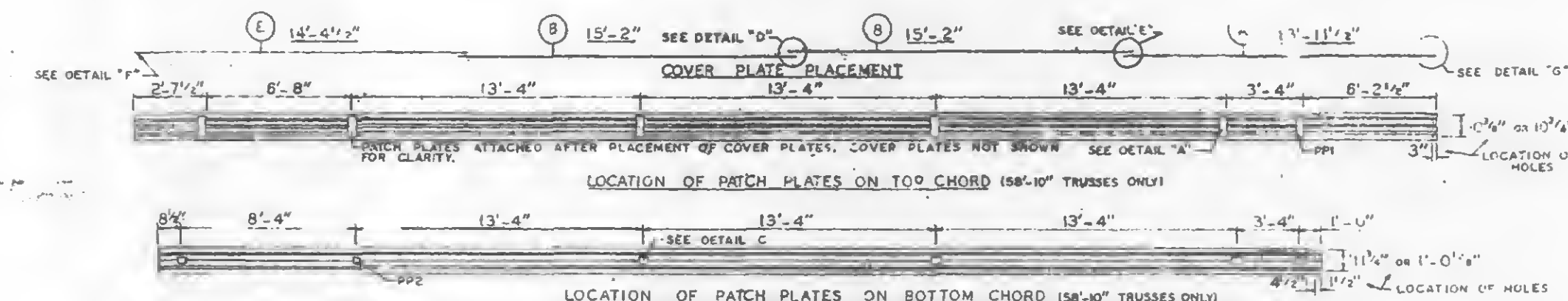
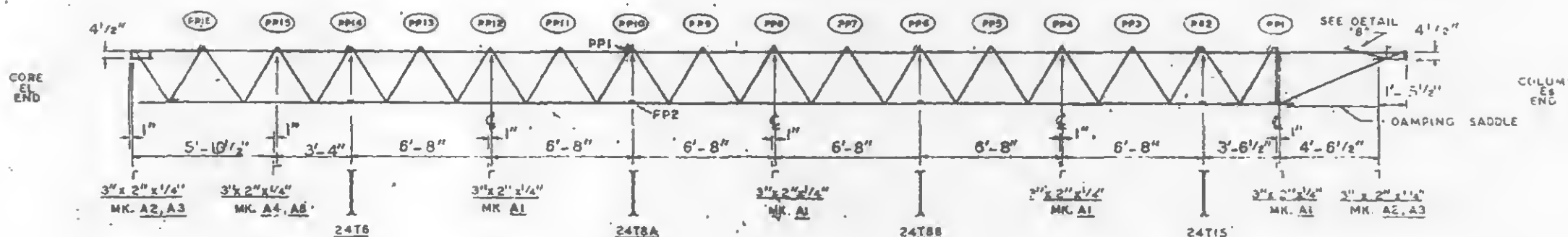
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN ENDS FOR TRUSS BEARING.

REQUIRED MATERIAL FOR PANEL				REF
MATERIAL	MX	PCS.	SIZE	DRWG
FLOOR TRUSSES	T2G	1	C32TG - 58'-11"	ST 2020
	T3	2	C32T3 - 58'-11"	ST 2021
	T9	2	C32T9 - 58'-11"	ST 2028
	T10	1	C32T10 - 58'-11"	ST 210
	T8	1	24" - 10'-11"	BT 10A
BRIDGING TRUSSES	T8A	1	24T8A - 10'-11"	BT 10A
	T8B	1	24T8B - 10'-11"	BT 10B
	T11	1	24T11 - 10'-11"	BT 11
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 10'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11"	ST 403
	A4	1	3" x 2" x 1/4" x 1'-3"	ST 403
	A5	1	3" x 2" x 1/4" x 6'-8"	ST 405
DIAGONAL FLATS	F1	1	1" x 2" x 1/2" x 6'-8"	ST 402
	C	3	6" x 0.135" x 13'-11"	ST 303
COVER PLATES	B	6	6" x 0.135" x 15'-2"	ST 303
	E	3	6" x 0.135" x 14'-4"	ST 303
FIELD CLIP	C1	20	2" x 1/2" x 1/4" x 6'-8"	ST 400
	C2	4	2" x 1/2" x 1/4" x 6'-8"	ST 400
DAMPING SADDLE	DUS-2	2	3" x 3" x 1/2" x 3'-6"	ST 298
	DUS-3	3	3" x 3" x 1/2" x 3'-6"	ST 298
CONNECTION BAR	C81	1	1" x 1" x 1" x 3"	ST 400
	C82	6	1" x 1" x 1" x 3"	ST 400
	C83	6	1" x 1" x 1" x 3"	ST 400
	F1	5	3" x 2" x 1/4" x 6'-8"	ST 400
CONNECTION PLATES	F2	1	4" x 2" x 1/4" x 6'-8"	ST 400
	F3	1	4" x 2" x 1/4" x 6'-8"	ST 400
	PD	3	4" x 1" x 1" x 1'-6"	ST 400
	PC	1	6" x 3" x 1/2" x 6'-9"	ST 401
	"B" SHEET FOR	SA2	6	6" x 6" x 1/2" x 10'-2"
PATCH PLATES	PP1	18	2" x 1/4" x 0'-10"	ST 400
	PP2	18	3" x 3/4" x 0'-3"	ST 400

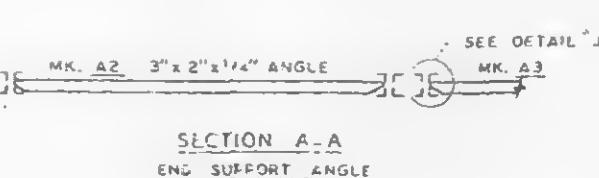
- ALL ARC WELD TO BE MADE WITH LOW HY. HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
- UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/2" x 1" FULL THROAT FILLET.



A = 1/2" B = 1/2"



DETAIL "J" END SUPPORT ANGLE ATTACHMENT

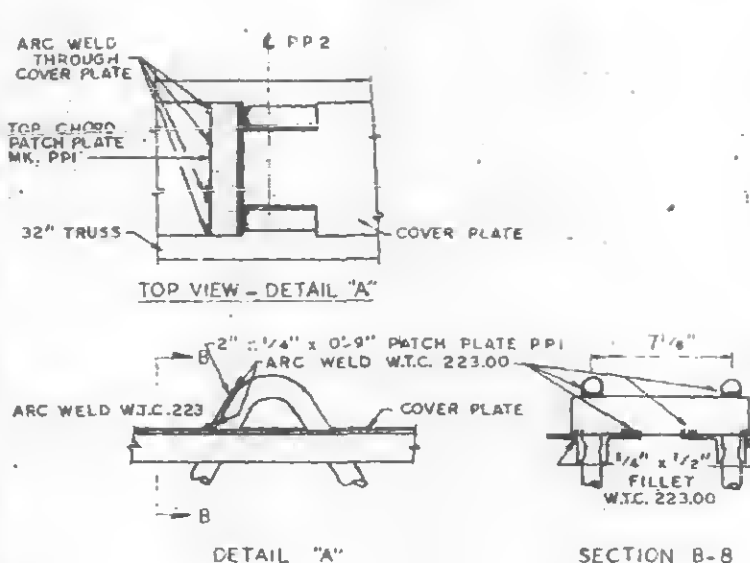


SECTION A-A END SUPPORT ANGLE



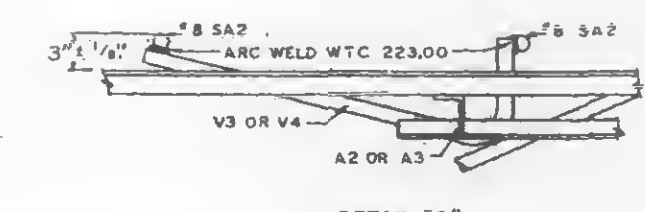
DETAIL "C"

SECTION C-C

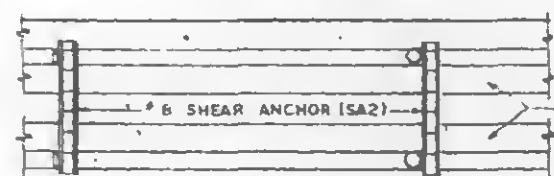


TOP VIEW - DETAIL "A"

SECTION B-B



DETAIL "B"



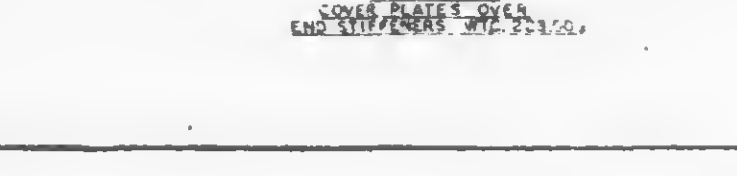
TOP VIEW - DETAIL "B"



DETAIL "D"



DETAIL "E"



DETAIL "F"

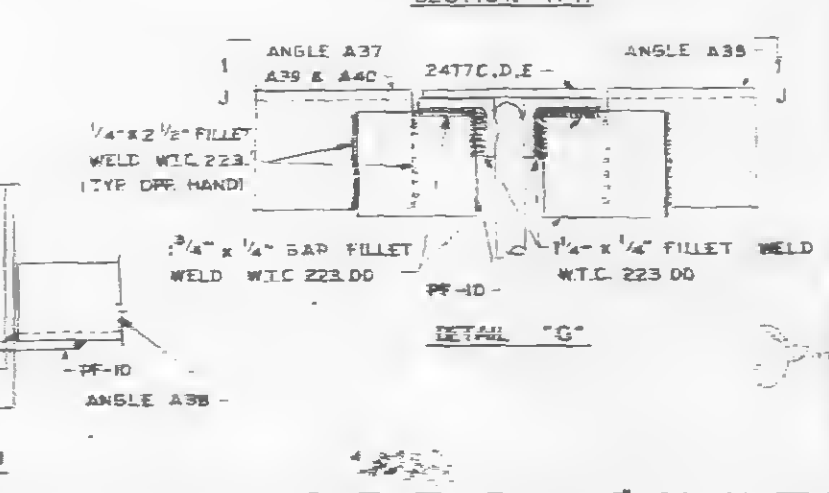
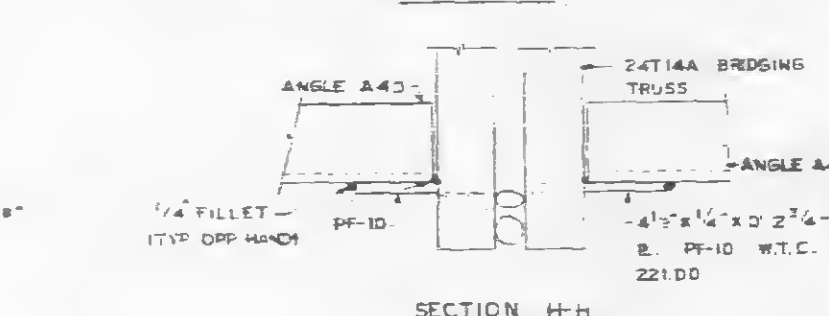
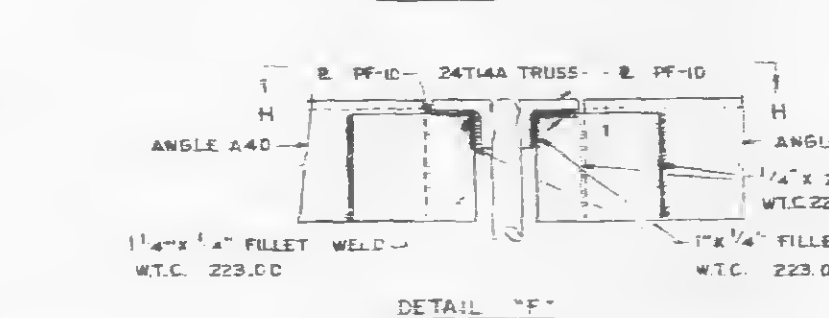
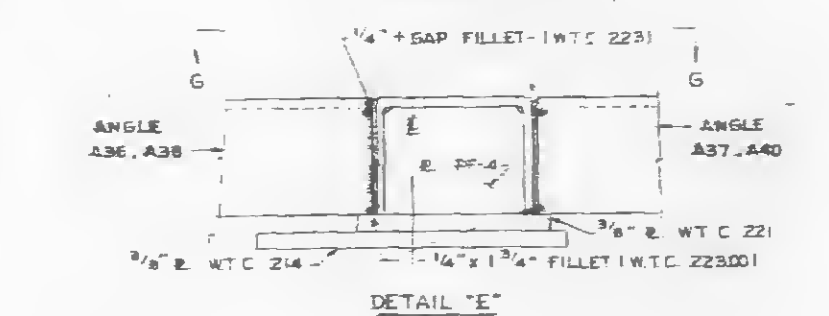
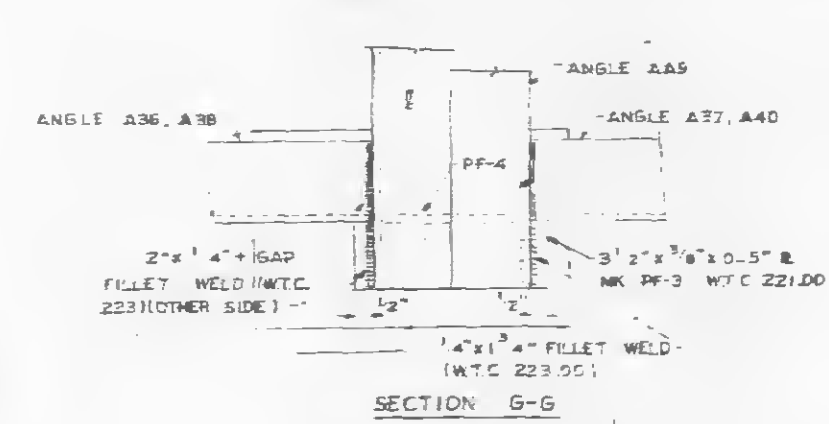
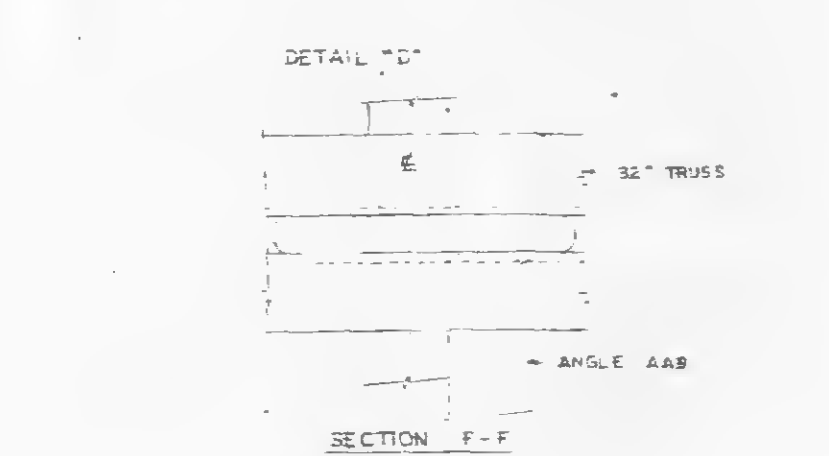
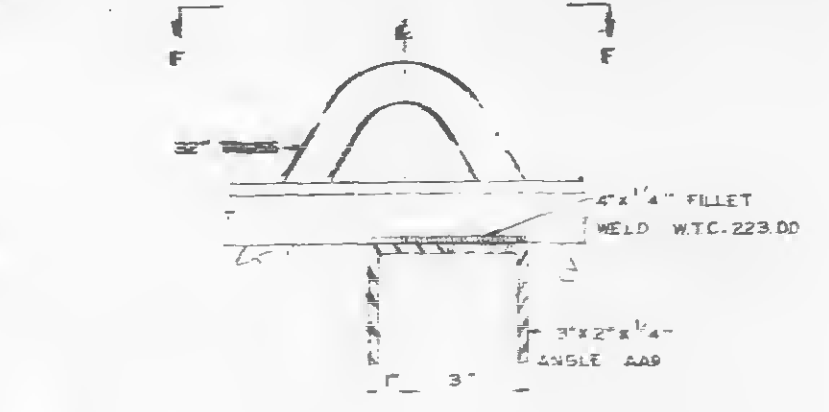
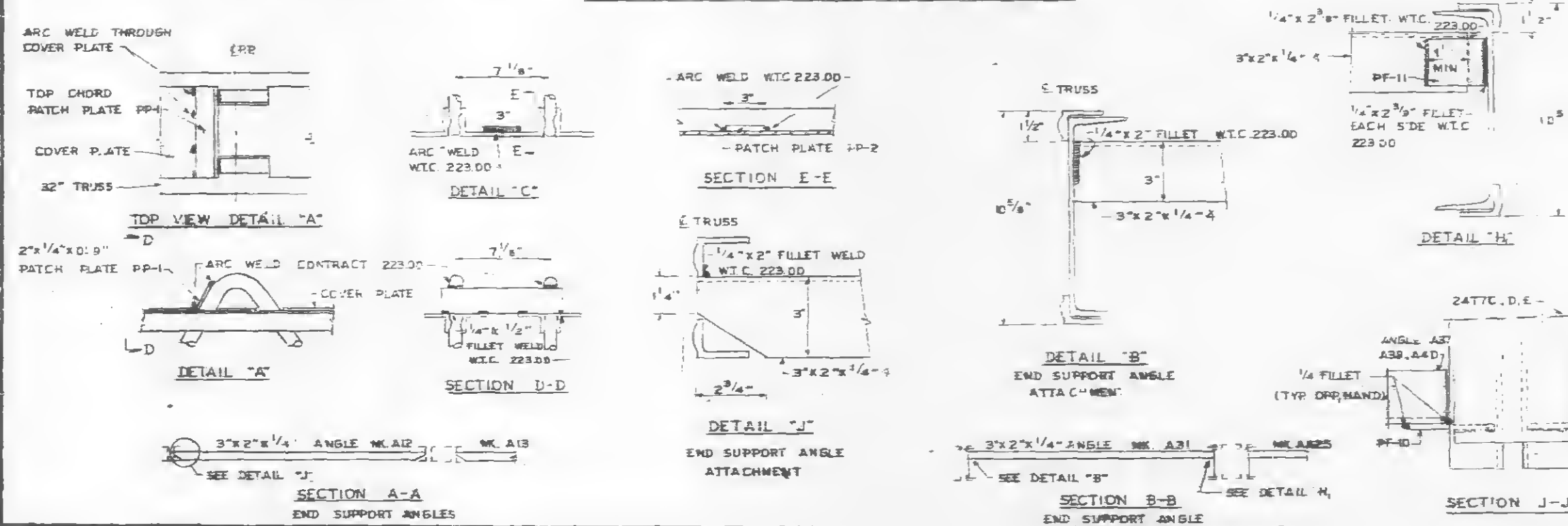
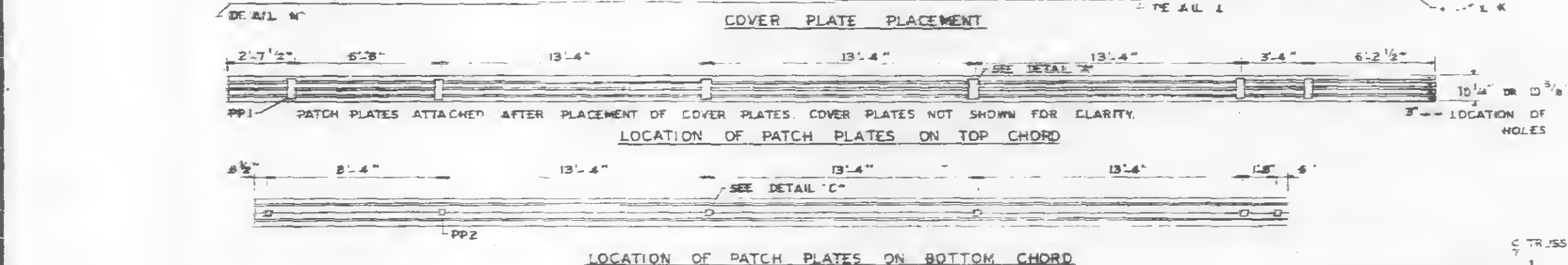
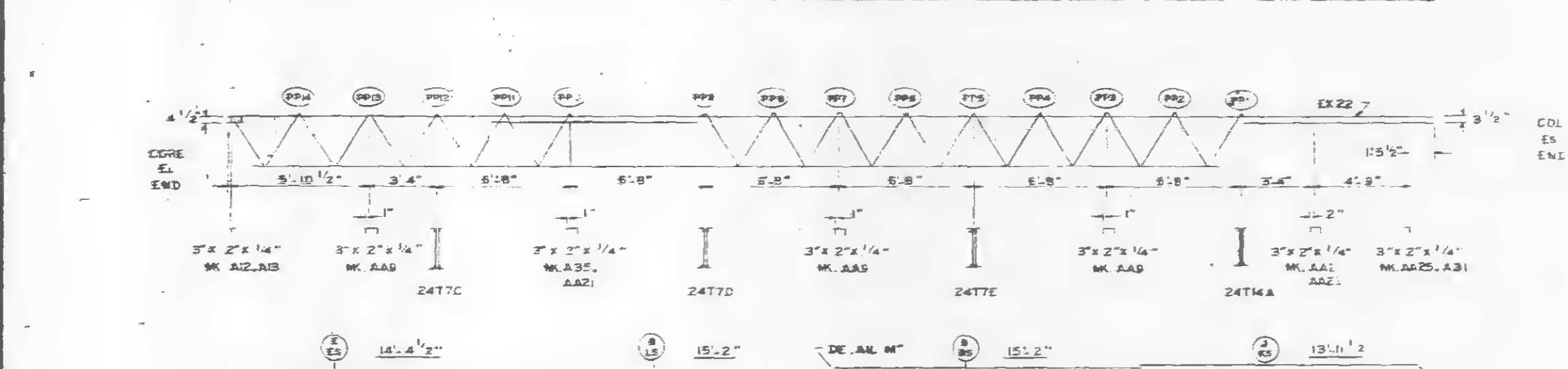


DETAIL "G"



DETAIL "H"

FLOOR PANEL DETAILS			
WORLD TRADE CENTER - N.Y.C.			
THE PORT OF NEW YORK AUTHORITY			
BLDG. A, FLOORS 39-40 (N&S)			
PANEL EIG - 20' x 58'-11"			
FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT	DESIGN DRAWING NO.	DATE	PLATE
MADISON, ILLINOIS	7-AB3-11	7-22-68	
APPROVED FOR FABRICATION	DRAWN BY	DATE	
FOR FONYA	NOV 1 1968		
APPROVED FOR FABRICATION	CHECKED BY	DATE	
FOR FABRICATOR	T.M. CHURCH	NOV 6 1968	
DETAILED BY	FABRICATION CONT NO.	DATE	
A. CARP	221		
			IN CHARGE OF PROD. DEV.
			SHEET NO.
			FP EIG

[illegible]

REQUIRED MATERIAL PER PANEL			REF.
MATERIAL	IN PCS	SIZE	QTY.
FLOOR TRUSSES	T2L 1	C2T22-36" 5"	ST22L
	T2R 1	C2T22-36" 5"	ST22R
	T2Z 1	C2T22-36" 5"	ST
BRIDGING TRUSSES	T7C 1	24T7C-19.5"	BT24C
	T7D 1	24T7D-19.5"	BT24D
	T7E 1	24T7E-19.5"	BT24E
	T7A 1	24T7A-19.5"	BT24A
3" 2" x 1/4" ANGLES	A10 1	3" x 2" x 1/4" x 2'-7" 5/8"	ST40A
	A 2	3" x 2" x 1/4" x 5'-4"	ST40A
	A13 1	3" x 2" x 1/4" x 6'-2" 1/2"	ST40A
	A31 1	3" x 2" x 1/4" x 8'-0"	ST40A
	A36 1	3" x 2" x 1/4" x 5'-1 1/2"	ST40B
	A37 1	3" x 2" x 1/4" x 2'-10"	ST40B
	A38 3	3" x 2" x 1/4" x 6'-4"	ST40B
	A39 1	3" x 2" x 1/4" x 2'-8"	ST40C
	A40 2	3" x 2" x 1/4" x 5'-2"	ST40B
	A 41	3" x 2" x 1/4" x 2'-10" 1/2"	ST40D
A35 1	3" x 2" x 1/4" x 13'-3"	ST40D	
ANGLE ASSEMBLY	A421 1	SEE REF. DRWG.	ST421
	A422 1	SEE REF. DRWG.	ST421
	A423 1	SEE REF. DRWG.	ST421
	A424 1	SEE REF. DRWG.	ST422
	A425 1	SEE REF. DRWG.	ST422
A426 1	SEE REF. DRWG.	ST422	
A42 3	SEE REF. DRWG.	ST40A	
PATCH PLATES	PP1 6	2" x 4" x 0.3"	ST400
	PP2 6	3" x 6" x 0.3"	ST400
COVER PLATES	A 7	3" x 0.035" x 13'-4 1/2"	ST303
	K4 1	3 1/2" x 0.035" x 13'-4 1/2"	ST304
	B 2	3" x 0.035" x 5'-2"	ST309
	B 1	3 1/2" x 0.035" x 15'-2"	ST309
	L 1	3 1/2" x 0.035" x 15'-2"	ST304
	E 1	3" x 0.035" x 14'-4"	ST303
E 1	3 1/2" x 0.035" x 14'-4"	ST303	
ANGLE CLIPS	C 18	2 1/2" x 1 1/2" x 1/4" x 6"	ST400
	F1 4	1 1/2" x 1/2" x 6'-8"	ST402
DIAGONAL FLATS	F2 7	1 1/2" x 3/8" x 8'-10 1/2"	ST402
	F3 1	1 1/2" x 3/8" x 8'-11 1/2"	ST402
	F4 1	1 1/2" x 3/4" x 7'-0"	ST402
	F5 1	1 1/2" x 3/8" x 4'-4"	ST402
	PF1 2	1 1/2" x 1/2" x 0'-4"	ST409
MISC. PLATES	PF3 3	3 1/2" x 3/8" x 0'-5"	ST400
	PF7 1	5" x 3/8" x 0'-4"	ST401
	PF8 5	3 1/2" x 1/4" x 0'-2 7/8"	ST401
	PF10 8	4 1/2" x 1/4" x 0'-2 7/8"	ST401
	PF11 1	3" x 4" x 0'-2 7/8"	ST402
	EX 1	SEE REF. DRWG.	ST222
EXTENDED END			
Z 2			

1	2-5-86	GENERAL	W.D.C.
NO.	DATE	REVISION	BY

SEE SHEET FP-F2-2 FOR NOTES. REF. DRWG & ADDITIONAL DETAILS

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N. Y. C.
FOR
THE PORT OF NEW YORK AUTHORITY

BUDG A FLOOR 25.59 & 92 (NORTH & SOUTH)

PANEL F2 19'-6" x 58'-10"

FABRICATION BY <u>LACLEDE STEEL COMPANY</u>			
FABRICATED AT <u>MADISON, ILLINOIS</u>		DESIGN DRAWING NO. <u>7-233-34</u>	
APPROVED FOR FABRICATION BY <u>[Signature]</u> FOR <u>FIELD</u>		DATE <u>DEC 3, 1968</u>	
APPROVED FOR FABRICATION BY <u>[Signature]</u> FOR FABRICATOR		DATE <u>DEC 4, 1968</u>	
IN CHARGE OF <u>LACLEDE STEEL CO.</u>		PROJ. DEL.	
DETAILS <u>[Signature]</u>		FABRICATION CONT. NO. <u>221</u>	
		SHEET NO. <u>FP-52</u>	

CORE END



SEE DETAIL "B"

CORE EL. END

4' 1/2"

PP8

PP8

PP1 OR PP3

PP6

PP5

PP4

PP3

PP2

PP1

SEE DETAIL "B"

COLUMNS END

4' 1/2"

PP2

DAMPING SADDLE

2'-8 3/4"

6'-7 3/4"

5'-9 3/16"

0'-6 13/16"

5'-7 13/16"

4'-9 5/16"

3" x 2' x 1/4"

MK. A5, A23

3" x 2' x 1/4"

MK. A22

3" x 2' x 1/4"

MK. A22

3" x 2' x 1/4"

MK. A22

3" x 2' x 1/4"

MK. A5, A23

24T9A

COVER PLATE PLACEMENT

LOCATION OF HOLES 8'-1 1/8" OR 8'-1 1/2"

2'-4" 2'-4" 8'-1 1/8" 13'-4" 5'-8" 6'-2 1/2" 8'-1 1/8" OR 8'-1 1/2" LOCATION OF HOLES

SEE DETAIL "A" PPL GRPP

PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.

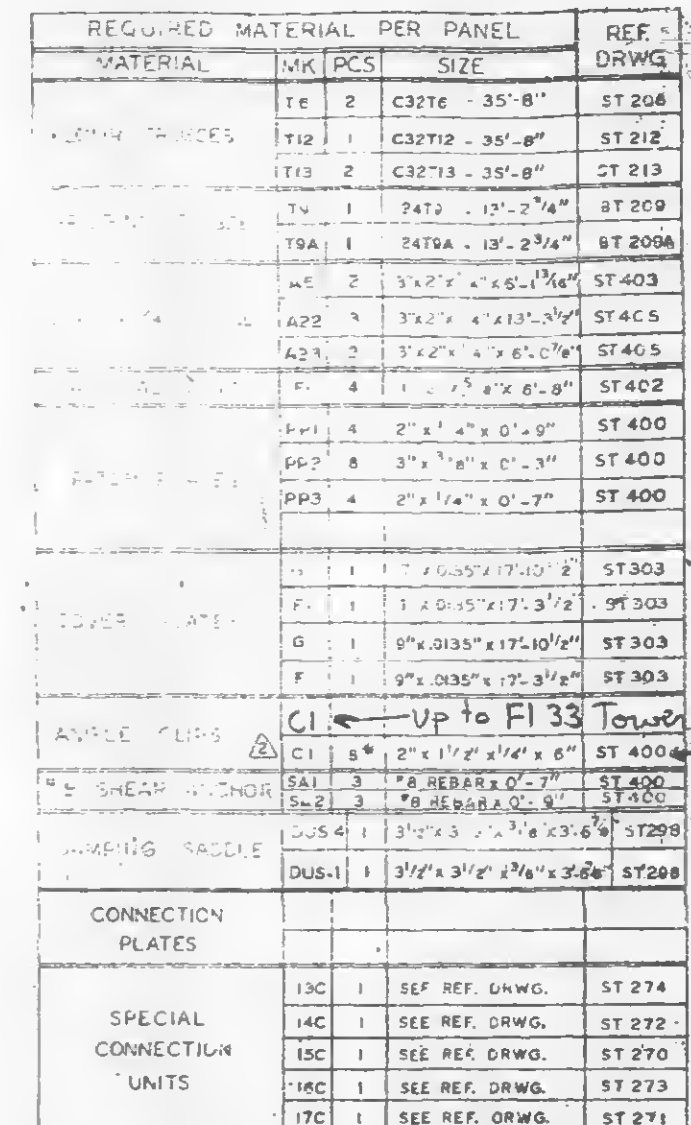
PATCH PLATES ON TOP CHORD

6'-6" 6'-8" 13'-4" 6'-8" 1'-0" 4'-2" OR 4'-0" LOCATION OF HOLES

SEE DETAIL "C" PRP

PATCH PLATES ON BOTTOM CHORD

CLIP AND CLIP LOCATION FOR
DIAGONAL FLATS 4' 2" \pm
ABOVE COLUMN CLIPS FOR
TRUSS BEARING.



CHANGE BECOMES EFFECTIVE AFTER 23RD FLOOR TOWER A

2	4-18-69	AS NOTED	G.D.
1	2-21-69	AS NOTED	G.D.
NO.	DATE	REVISION	BY

SKILLING - NELLE
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers

☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED

Signature by SK -

128	128-38-31	1-3-68
129	129-34-58-6	5-8-68
130	129-39-41	1-3-68
131	130-26	10-20-67
132	133-12	1-3-68
133	138-11-12	5-8-68
134	138-4	4-1-68
135	138-42	4-1-68

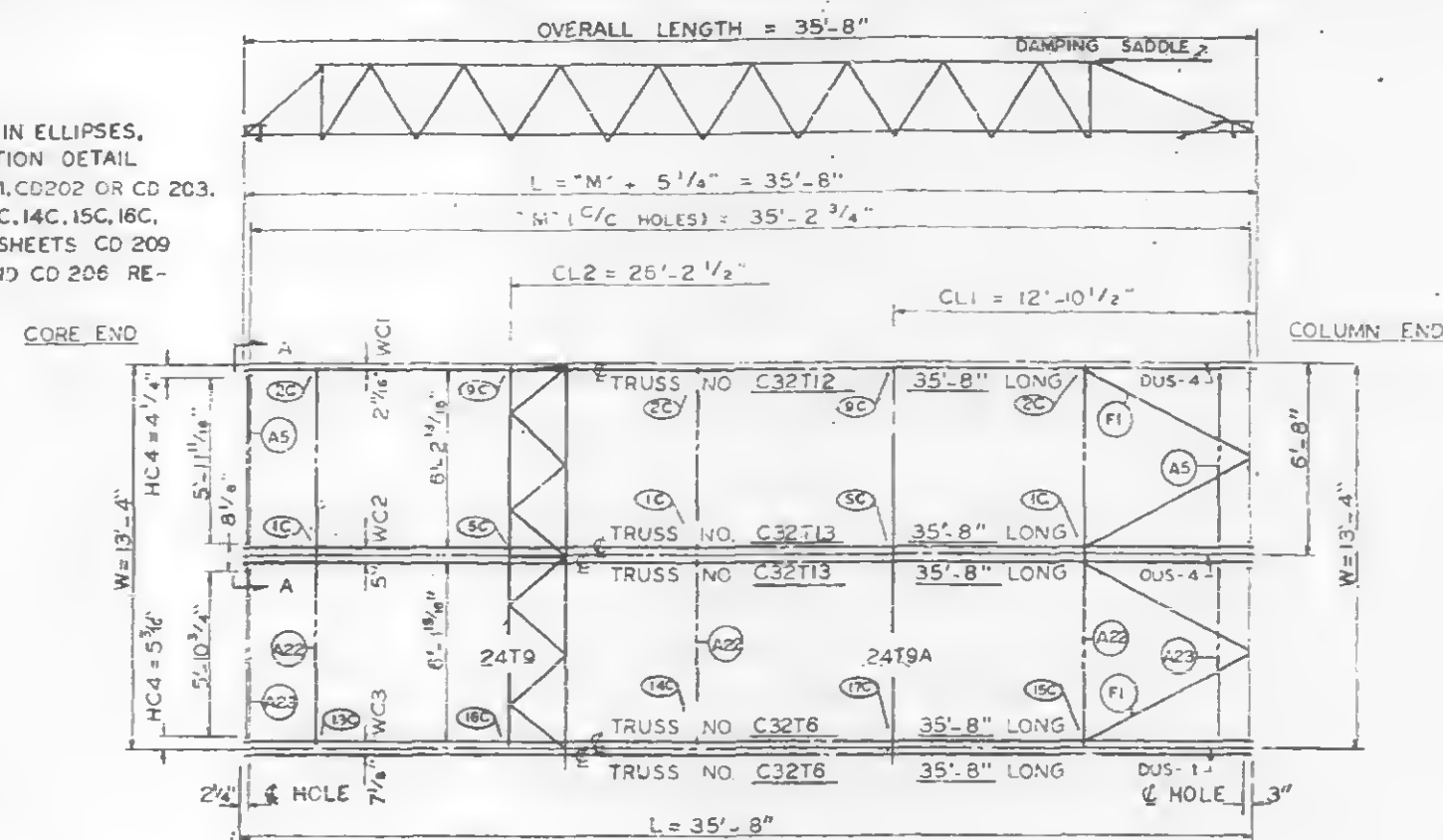
4040 LAFAYETTE ST. NEW YORK, N.Y. 10018
 FOR
 4040 LAFAYETTE CENTER NEW YORK, N.Y. 10018
 FOR
 THE PORT OF NEW YORK AUTHORITY

ELDS A FLOORS 10-24, 26-40, 50-58, 60-66, 68-73, 84-91 &
 106 (EAST & WEST) 75-83 NW 46-49 (E) PANEL GR1 -- 13'-4" x 39'-8"
 ELDS B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91 & 93-100 (N & S) 75-83 NW 46-49 (E)

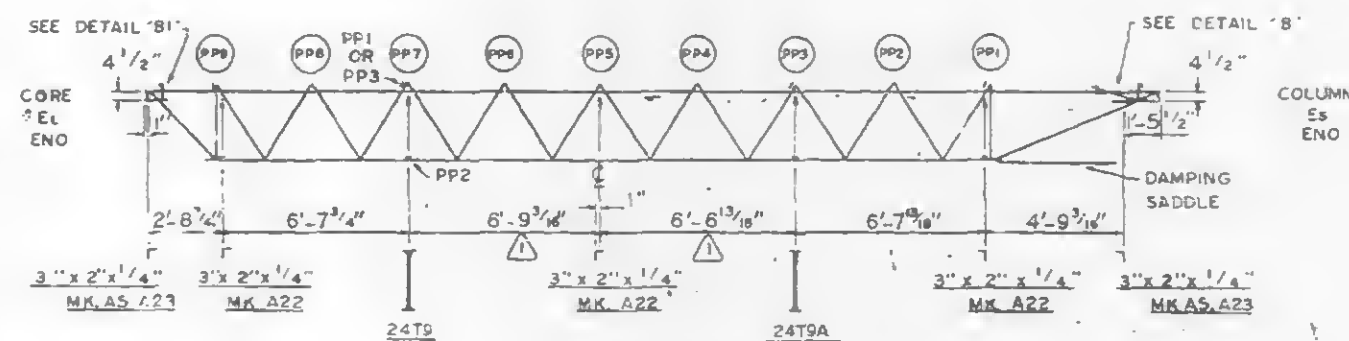
FABRICATION BY ACLEDE STEEL COMPANY

FABRICATED AT <u>MADISON, ILLINOIS</u>		DESIGN <u>DRAWING</u> <u>T-111</u>	
APPROVED FOR FABRICATION BY _____ FOR <u>PONYA</u>	DATE _____	APPROVED DATE _____	CHICAGO DATE _____
APPROVED FOR FABRICATION BY _____ FOR FABRICATOR	DATE _____	CHICAGO DATE _____	CHICAGO DATE _____
DETAIL BY <u>P.C. REED</u>		W.T.C. <u>R.P.</u>	

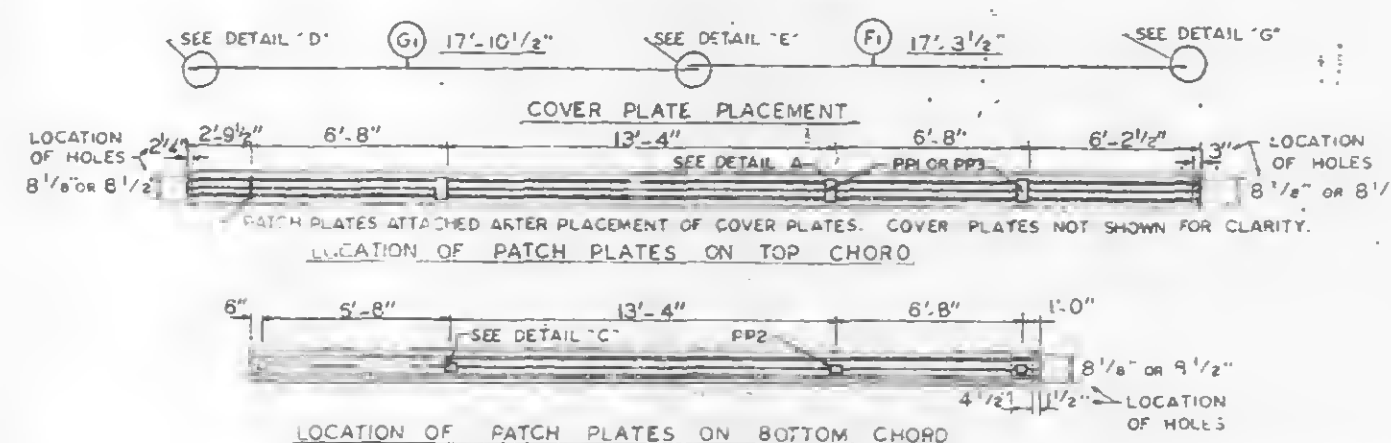
LETTERS AND NUMBERS IN ELLIPSES, 10, 10, INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201, CD 202 OR CD 203. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 209, CD 207, CD 205, CD 208, AND CD 206 RESPECTIVELY.



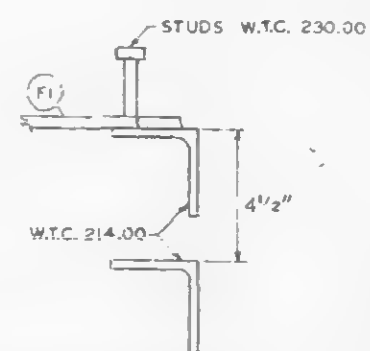
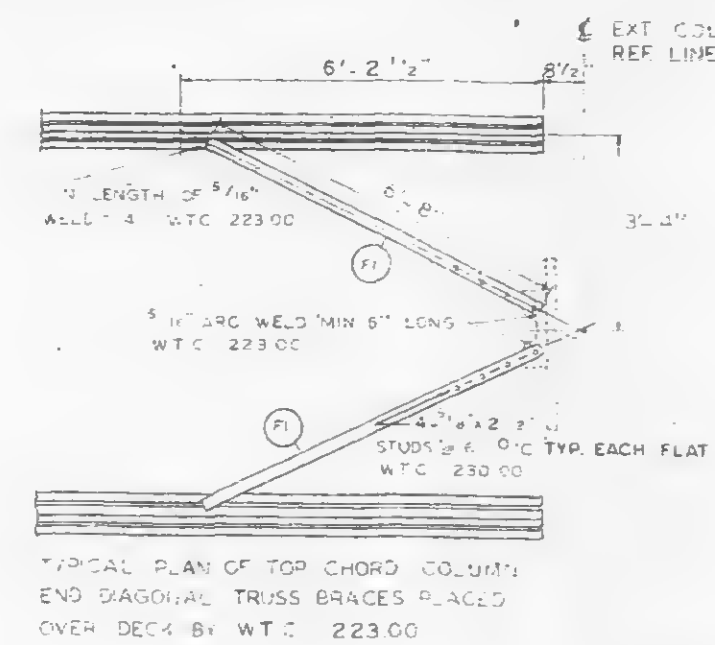
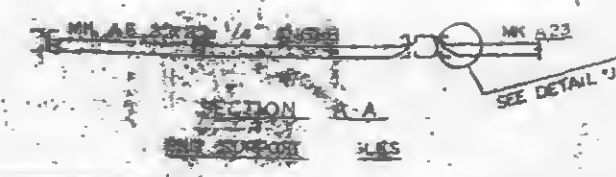
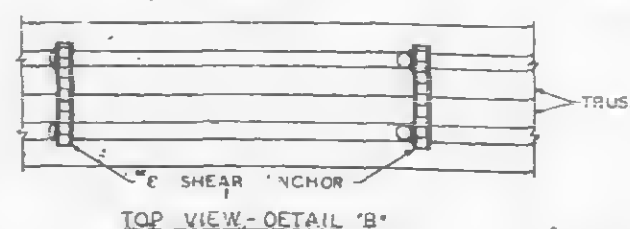
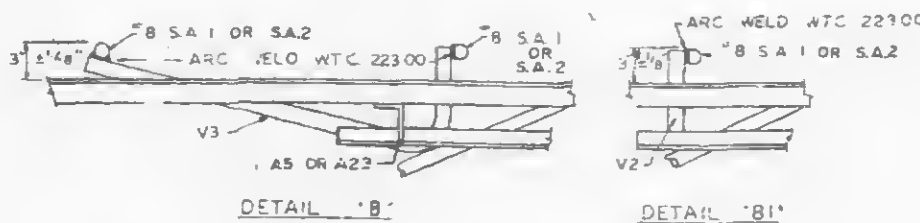
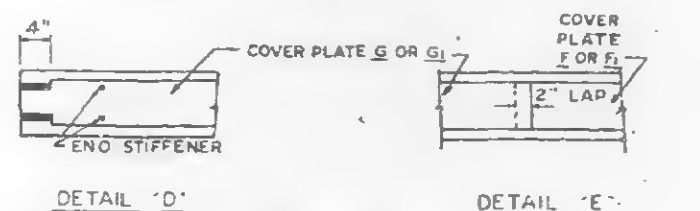
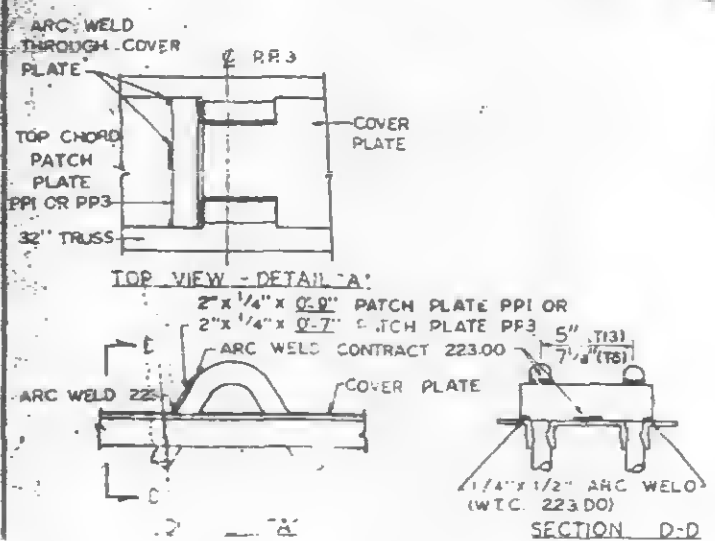
PANEL G1 SIZE 13'-4" x 35'-8"



PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T6.
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.



COVER PLATES MK. F1 & G1 TO BE USED WITH DOUBLE C32T13.
COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6.
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T13.
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL					REF. DRWG.
MATERIAL	MK	PCS	SIZE		
FLOOR TRUSSES	T1	2	C32T6 - 35'-8"		ST 208
	T2	1	C32T12 - 35'-8"		ST 212
	T3	2	C32T13 - 35'-8"		ST 213
BRIDGING TRUSSES	T9	1	24T9 - 13'-2 3/4"		ST 209
	T9A	1	24T9A - 13'-2 3/4"		ST 209A
3"x2 1/4" ANGLE	A1	2	3"x2 1/4"x8'-1 1/2"		ST 403
	A2	2	3"x2 1/4"x13'-3 1/2"		ST 405
	A3	2	3"x2 1/4"x6'-0 1/2"		ST 405
DIAGONAL FLATS	F	4	1 1/2"x5 1/8"x6'-8"		ST 402
PATCH PLATES	PP1	4	2 1/2"x1 1/4"x8'-0"		ST 400
	PP2	8	3 1/2"x1 1/4"x8'-0"		ST 400
	PP3	4	2 1/2"x1 1/4"x8'-0"		ST 400
COVER PLATES	G1	1	7"x10 3/8"x17'-10 1/2"		ST 303
	F1	1	7"x10 3/8"x17'-3 1/2"		ST 303
	G	1	9"x10 3/8"x17'-10 1/2"		ST 303
	F	1	9"x10 3/8"x17'-3 1/2"		ST 303
ANGLE CLIPS	C1	8	2"x1 1/2"x1 1/2"x6"		ST 400
"B" SHEAR ANCHOR	SA1	3	"B" REBAR 6'-7"		ST 400
	SA2	3	"B" REBAR 6'-9"		ST 400
DAMPING SADDLE	DUS4	1	3 1/2"x3 1/2"x3 1/2"x3'-6"		ST 298
	DUS1	1	3 1/2"x3 1/2"x3 1/2"x3'-6"		ST 298
CONNECTION PLATES					
SPECIAL CONNECTION UNITS	13C	1	SEE REF. DRWG.		ST 274
	14C	1	SEE REF. DRWG.		ST 272
	15C	1	SEE REF. DRWG.		ST 270
	16C	1	SEE REF. DRWG.		ST 273
	17C	1	SEE REF. DRWG.		ST 271

* CHANGE BECOMES EFFECTIVE AFTER FLOOR 33, TOWER A.

NO.	DATE	REVISION	BY
1	4-18-69	AS NOTED	G.O.C.
2	2-21-69	AS NOTED	G.O.C.

SKILLING-WELLE
CHRISTIANSEN-ROBERTSON
Structural & Civil Engineers
APPROVED FOR FABRICATION
DATE 5/15/69 SK

REF. DRWG.	NO.	DATE	REVISION	BY
7-AB4.3 & 3.1	1-3-69			
7-AB4.15 & 16	5-6-68			
7-AB4.39 & 41	1-3-68			
SA-124	10-20-67			
7-AB3.2	1-3-68			
7-AB1-11 & 12	5-10-68			
7-AB2.6	2-15-68			
7-AB4.42	4-1-68			

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 & 106 (E & W) 45-49 (W) 80-83 (E) PANEL G1 - 13'-4" x 35'-8"

BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91, 93-108 (W & S) 80-83 (W) 45-49 (S)

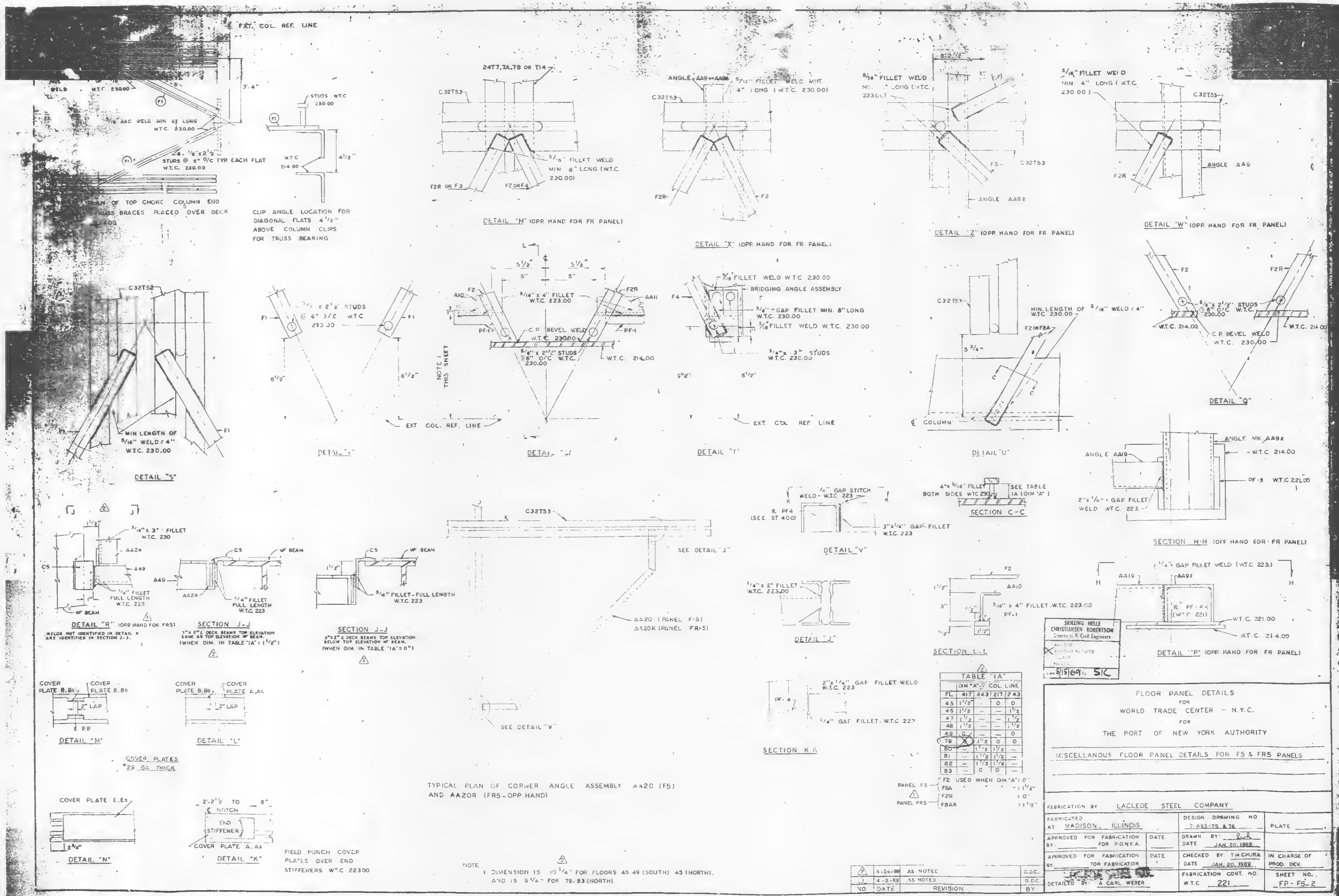
FABRICATED BY LACLED STEEL COMPANY

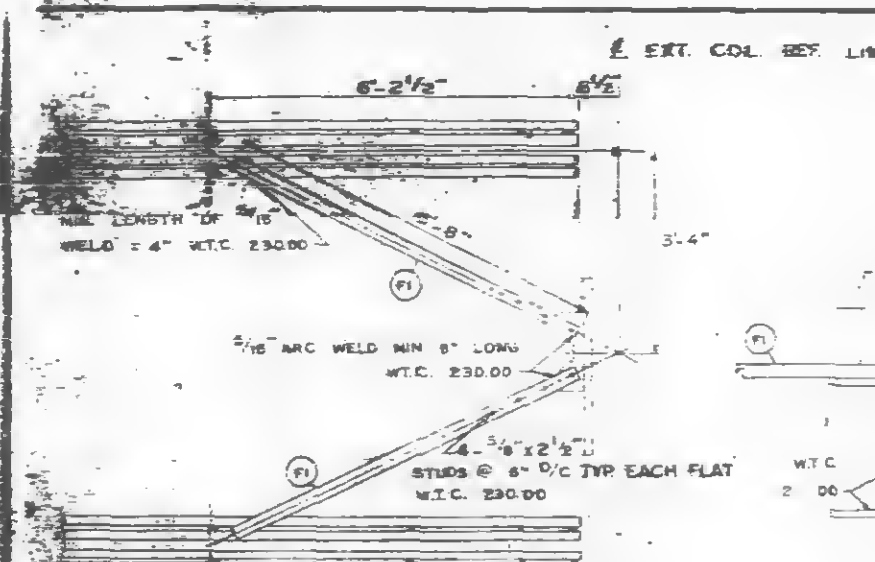
DESIGN DRAWING NO. 7-AB3-17 6-10-68

APPROVED FOR FABRICATION DATE APRIL 10, 1968

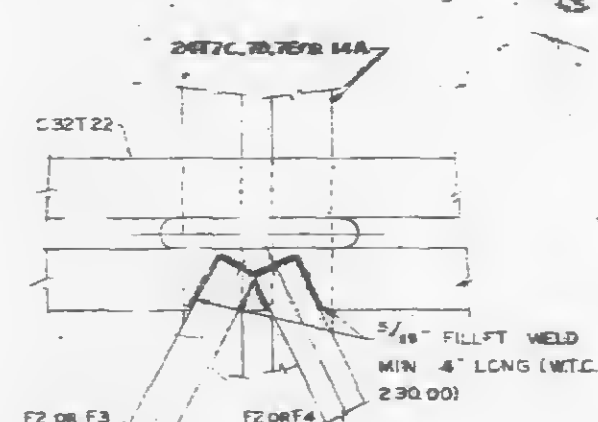
CHECKED BY J. M. CHEN DATE APRIL 10, 1968

FABRICATION CONT. NO. W.T.C. 221

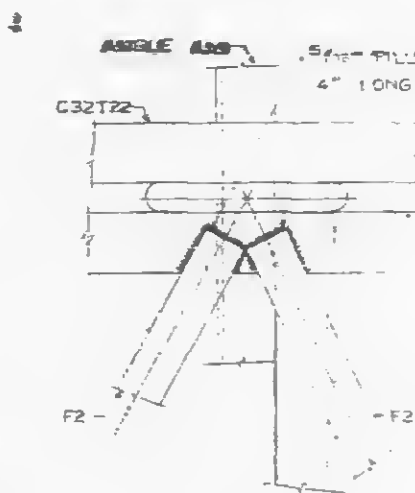




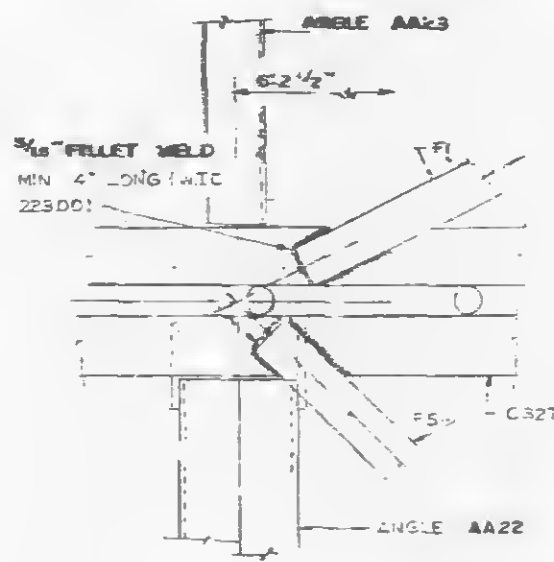
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING



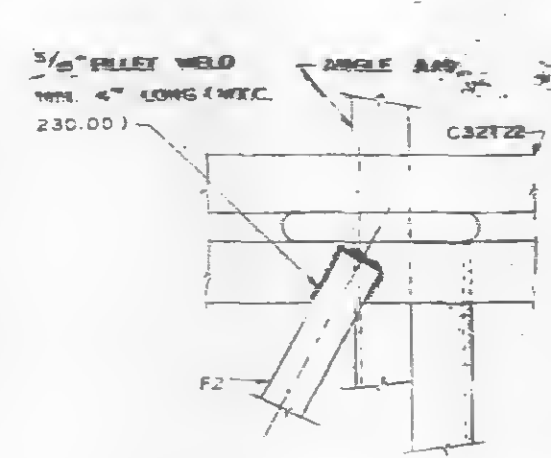
DETAIL 'H' (OPP. HAND FOR F2R PANEL)



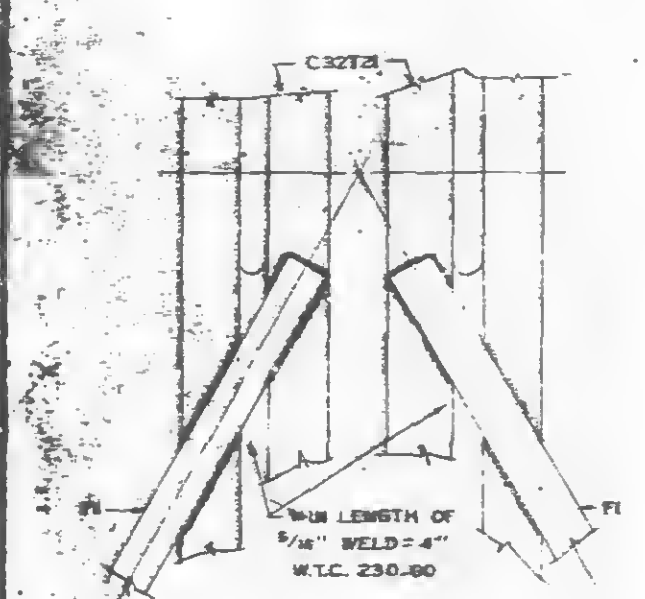
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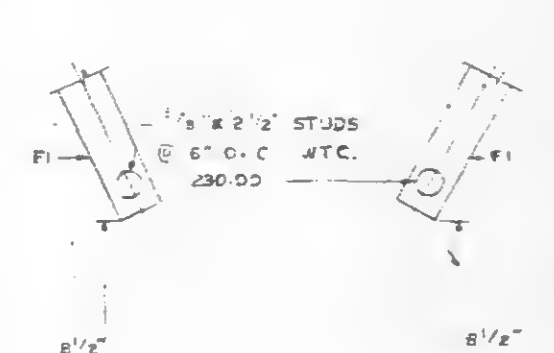
DETAIL 'Z' (OPP. HAND FOR F2R PANEL)



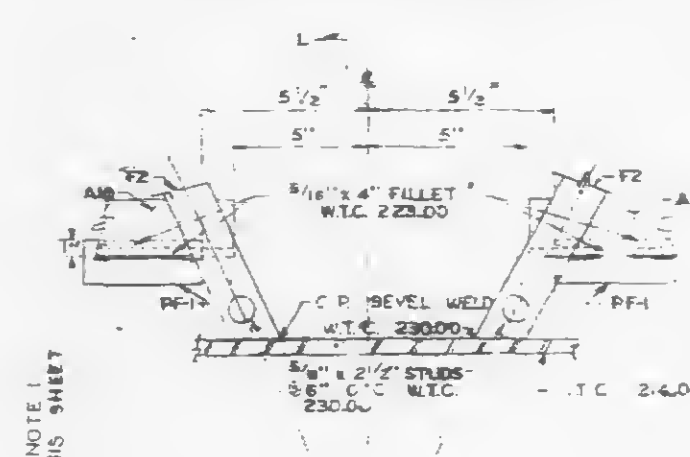
DETAIL 'W' (OPP. HAND FOR F2R PANEL)



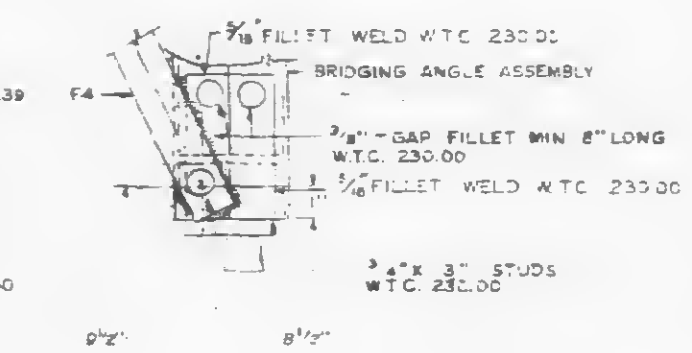
DETAIL 'S'



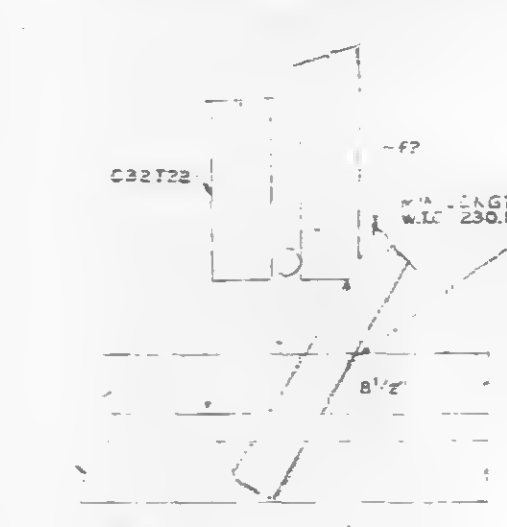
DETAIL 'I'



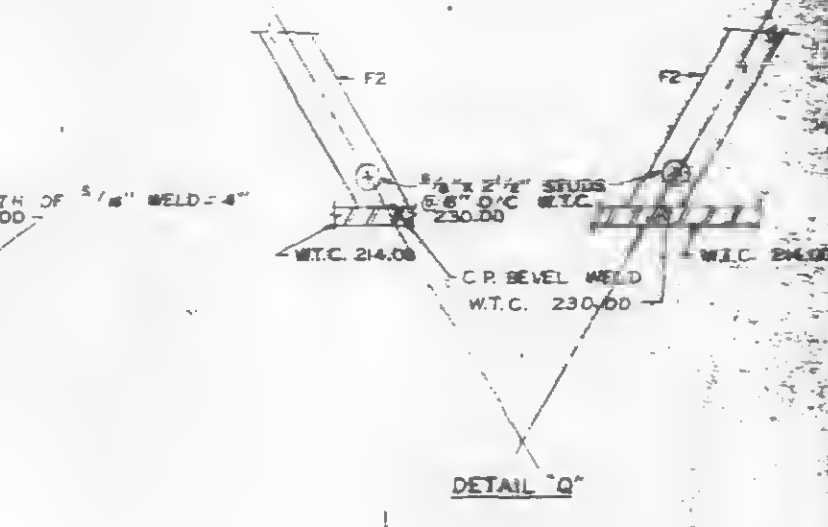
DETAIL 'G'



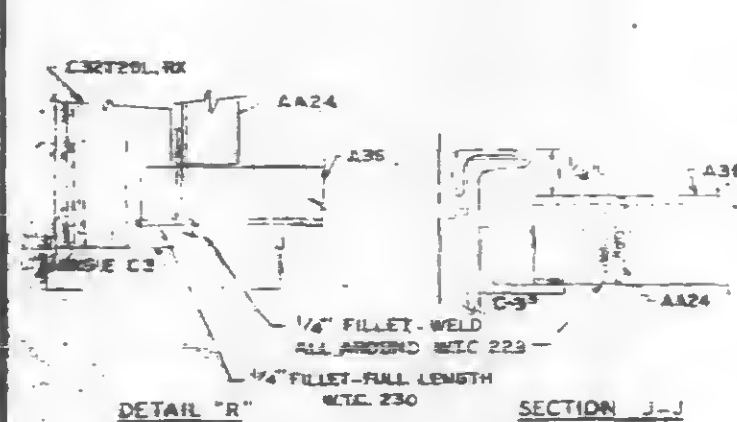
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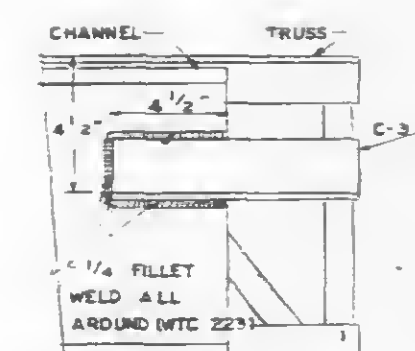
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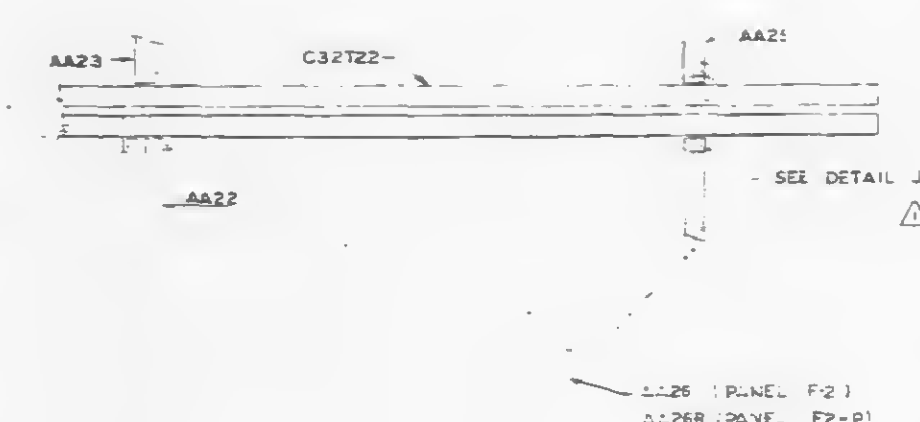
DETAIL 'Q'



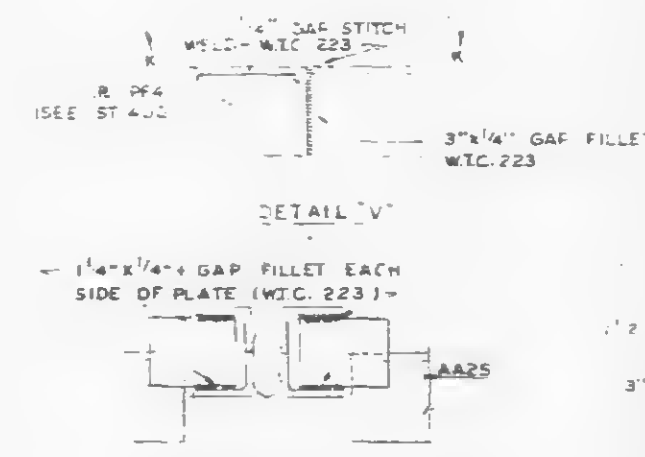
DETAIL 'R'



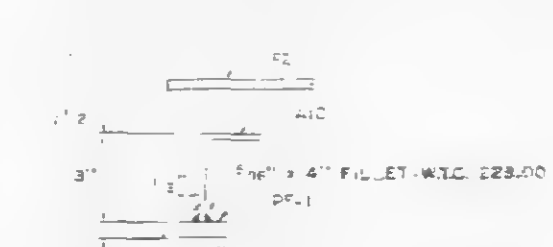
SECTION J-J



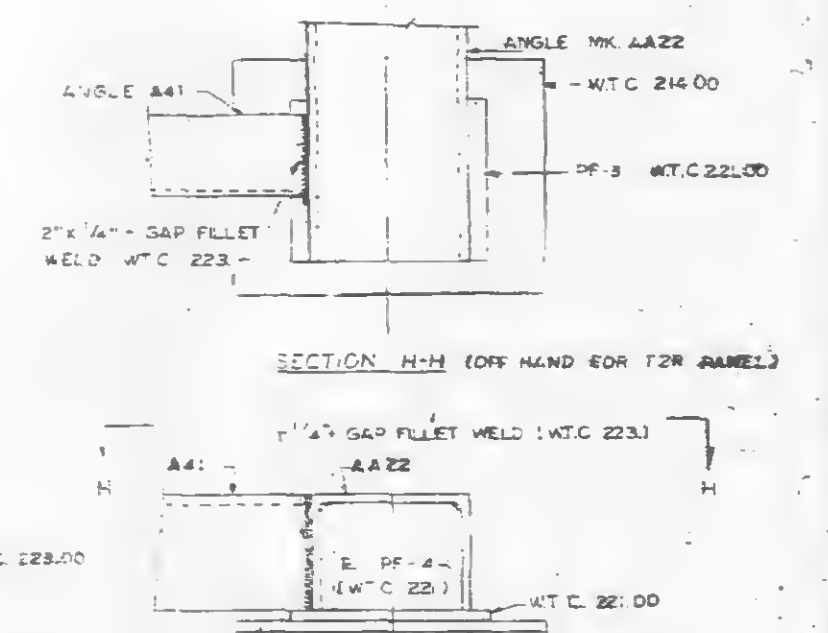
DETAIL 'V'



DETAIL 'U'



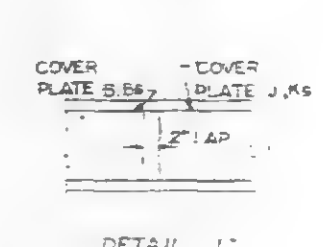
SECTION L-L



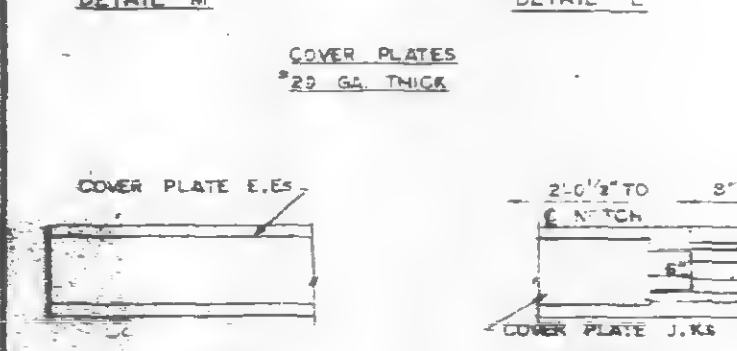
DETAIL 'D' (OPP. HAND FOR F2R PANEL)



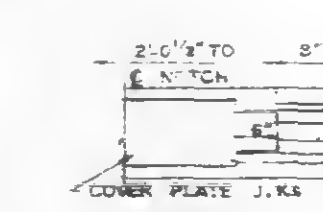
DETAIL 'M'



DETAIL 'L'



DETAIL 'N'



DETAIL 'K'

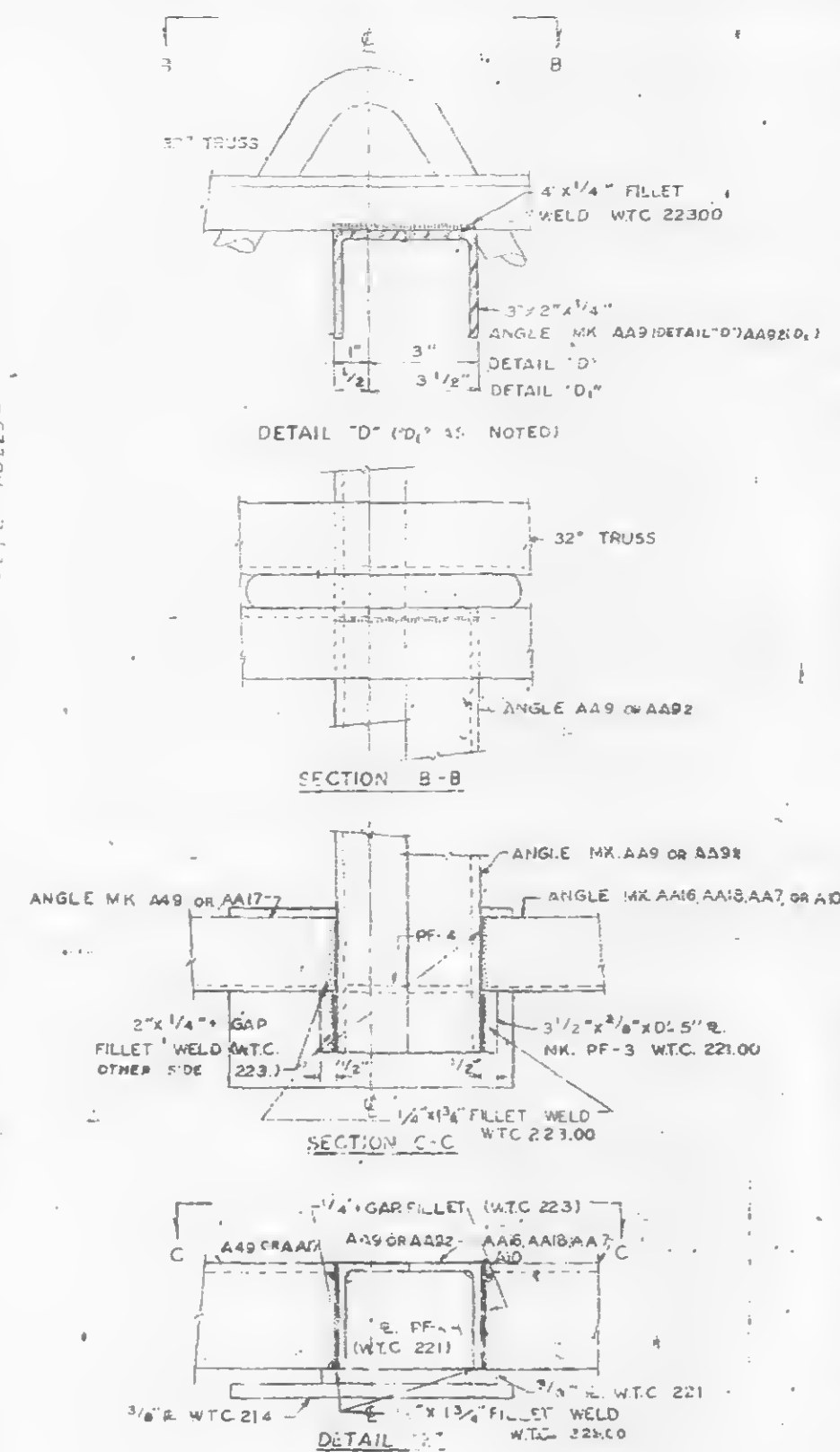
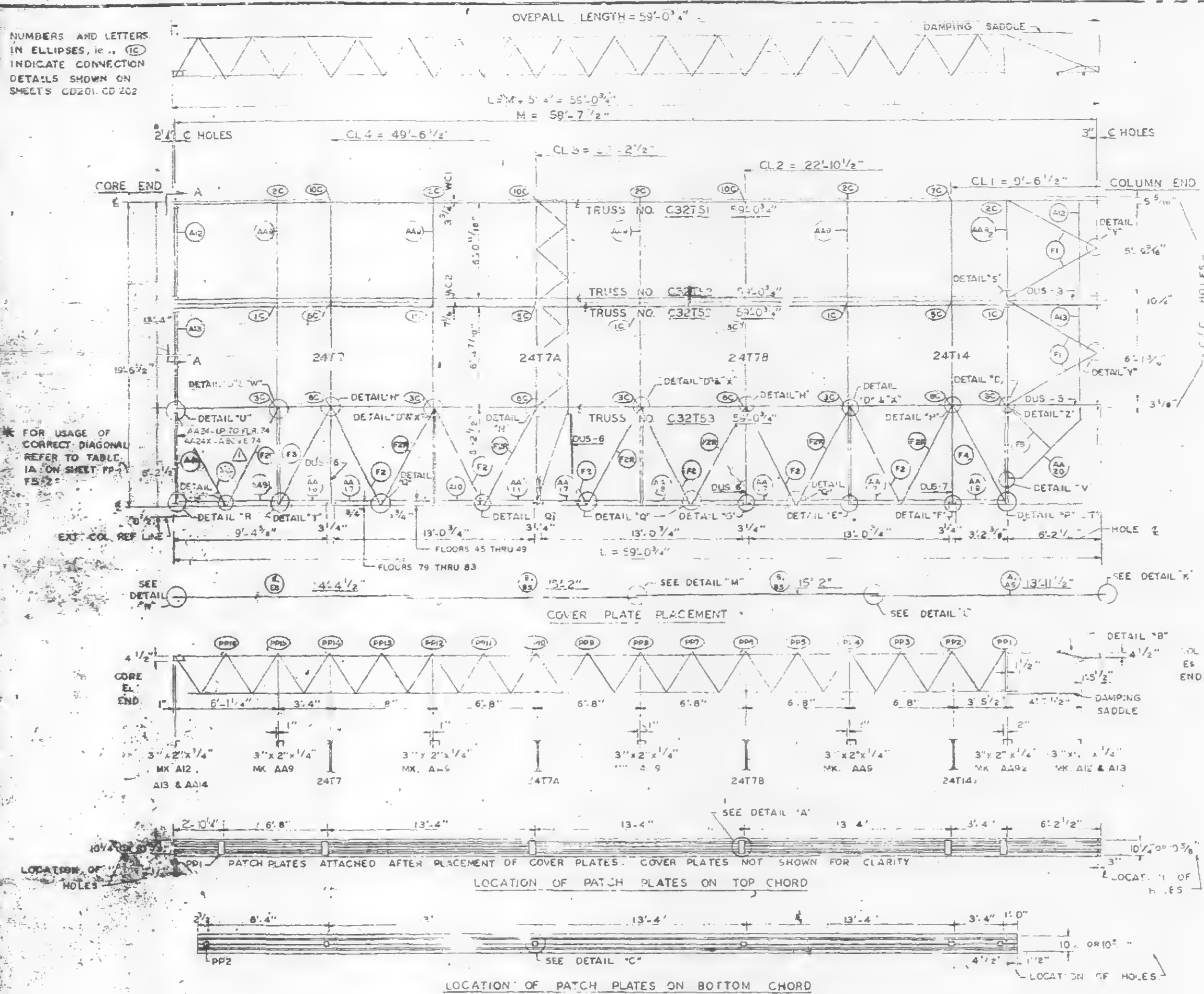
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00

TYPICAL PLAN OF CORNER ANGLE ASSEMBLY AA26 (F2) AND AA26R (F2R-OPP HAND)

NOTE: DIMENSION IS 10 1/4" UP TO & INCL FLOOR 72 AND IS 5 1/2" ABOVE FLOOR 74

FLOOR PANEL DETAILS			
FOR			
WORLD TRADE CENTER - N.Y.C.			
FOR			
THE PORT OF NEW YORK AUTHORITY			
MISCELLANEOUS FLOOR PANEL DETAILS FOR F2 & F2R PANELS			
FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-ASS-24435	PLATE	
APPROVED FOR FABRICATION DATE 12/10/99	DRAWN BY: V.A.	IN CHARGE OF	
APPROVED FOR FABRICATION DATE 12/31/99	CHECKED BY: T.M. CHURCH	PROD. DES.	
APPROVED FOR FABRICATION DATE 12/31/99	FABRICATION COME NO. W.T.C. 221	SHEET NO. F2-F2	
NO	DATE	REVISION	BY
1	2-5-99	AS NOTED	G.D.C.
2	12-10-99	BY	BY

NUMBERS AND LETTERS
IN ELLIPSES, i.e., (IC)
INDICATE CONNECTION
DETAILS SHOWN ON
SHEETS CD201, CD 202



REQUIRED MATERIAL PER PANEL			REF
MATERIAL	MK/PCS	SIZE	DRWG
FLOOR TRUSSES	T51	1 C32T51- 59'-0 3/4"	ST251
	T52	2 C32T52- 49'-0 3/4"	ST252
	T53	1 C32T53- 59'-0 3/4"	ST253
BRIDGING TRUSSES	T7	1 24T7- 19'-6"	ST207
	T7A	1 24T7A- 19'-6"	ST207A
	T7B	1 24T7B- 19'-6"	ST208
	T14	1 24T14- 19'-6"	ST214
3"x2" 1/4" ANGLES	A40	1 3/4"x2" 1/4"x7'-0"	ST 404
	A41	2 3/4"x2" 1/4"x5'-11"	ST 404
	A42	2 3/4"x2" 1/4"x4'-2"	ST 404
	A43	1 3/4"x2" 1/4"x4'-0"	ST 413
	A47	1 SEE REF. DRWG.	ST 404
ANGLE ASSEMBLY ** (AA24 IS REPLACED BY AA24X ANGLE (CLR. 74))	AA40	4 SEE REF. DRWG.	ST 404
	AA42	1 SEE REF. DRWG.	ST 404
	AA41	1 SEE REF. DRWG.	ST 404
	AA46	1 SEE REF. DRWG.	ST 404
	AA47	3 SEE REF. DRWG.	ST 404
	AA48	1 SEE REF. DRWG.	ST 404
	AA49	1 SEE REF. DRWG.	ST 404
	AA24	1 SEE REF. DRWG.	ST 412
	F1	4 1/2"x 3/8"x 6'-0"	ST 402
	F2	3 1/2"x 3/8"x 6'-10 1/2"	ST 402
DIAGONAL FLATS	F3	1 1/2"x 3/8"x 6'-11 1/4"	ST 402
	F4	1 1/2"x 3/8"x 7'-0"	ST 402
	F5	1 1/2"x 3/8"x 4'-0"	ST 402
	PPI	6 2"x 1/4"x C' 9"	ST 400
PATCH PLATES	PP2	5 3"x 3"x D-3"	ST 400
	A	1 9"x D35"x 13'-11 1/2"	ST 303
COVER PLATES	B	2 9"x D35"x 15'-2"	ST 303
	E	1 0'-0"x D35"x 14'-4 1/2"	ST 303
	As	1 3 1/2"x D35"x 13'-11 1/2"	ST 303
	Bs	2 3 1/2"x D35"x 15'-2"	ST 303
	Es	1 3 1/2"x D35"x 14'-4 1/2"	ST 303
	F8A	3 SEE REF. DRWG.	ST 415
#8 SHEAR ANCHOR	SA2	2 8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-3-1	3 1/2"x 3 1/2"x 3/8"x 3'-6 1/2"	ST291
	DUS-5	1 3 1/2"x 3 1/2"x 3/8"x 3'-6 1/2"	ST291
	DUS-6	3 3 1/2"x 3 1/2"x 3/8"x 4'-4 1/2"	ST291
	DUS-7	1 3 1/2"x 3 1/2"x 3/8"x 4'-4 1/2"	ST291
	PP-1	2 1 1/2"x 1 1/2"x 0'-4"	ST 400
MISC PLATES	PP-3	5 3 1/2"x 3 1/2"x 0'-3"	ST 400
	CS	1 3 X 2 X 3" D-3	ST 413
CONN ANGLE	C1	12 2"x 1 1/2"x 1 1/2"x 0'-6"	ST 400
ANGLE CLIP	C2	4 2 1/2"x 1 1/2"x 1 1/2"x 0'-6"	ST 400
CORNER ANGLE ASSEMBLY	AA20	1 SEE REF. DRWG.	ST 403

	6-9-69	AS NOTED	G.D.C.
NO	DATE	REVISION	BY

REF. DRWG		SA-124	1-6-69
7-A81-46	11-25-68	7-A84-14,14	10-15-68
7-A81-47	11-25-68	7-A84-15,15	7-22-68
7-A81-48	11-25-68	7-A84-21	7-22-68
7-A82-2	7-22-68A	7-A84-23	7-22-68
7-A82-9	7-22-68	7-A84-29	10-3-67
7-A83-70	11-25-68	7-A84-39-61,43	7-22-68
7-A83-75	11-25-68	7-A84-42	10-15-68
7-A84-3	10-15-68	7-A84-4,45	12-20-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 45 (NORTH & SOUTH) 46-49 (SOUTH) 79-83 (NORTH)

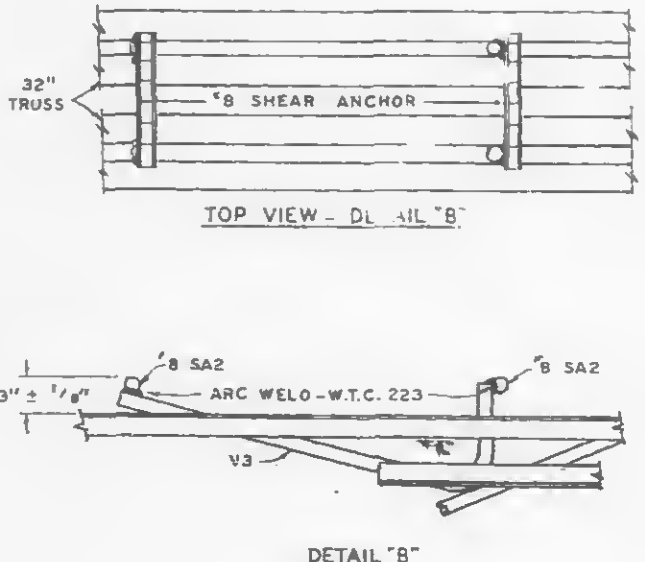
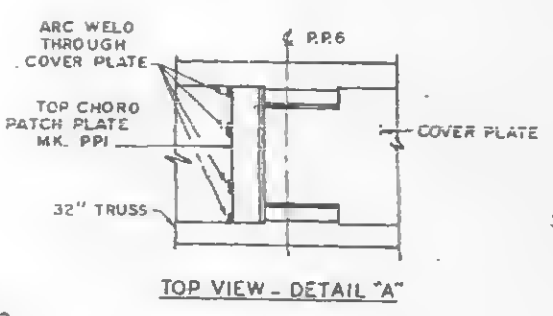
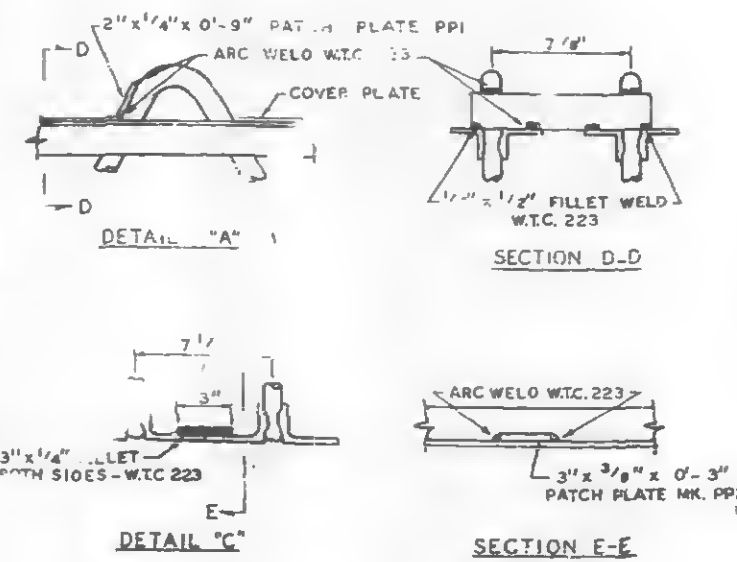
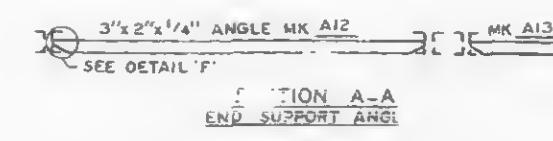
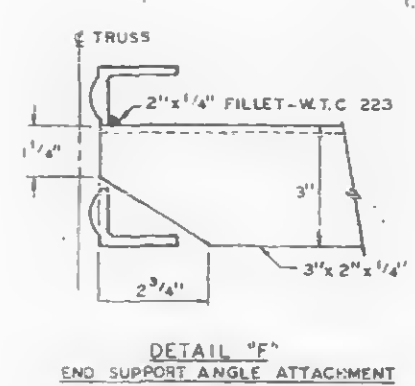
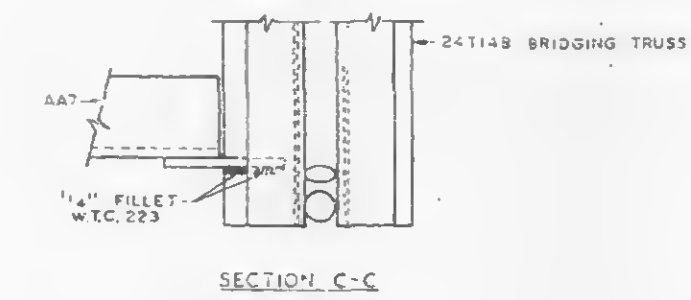
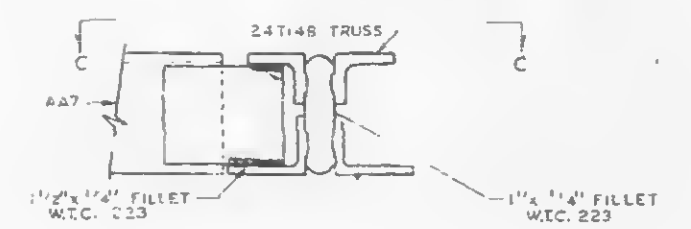
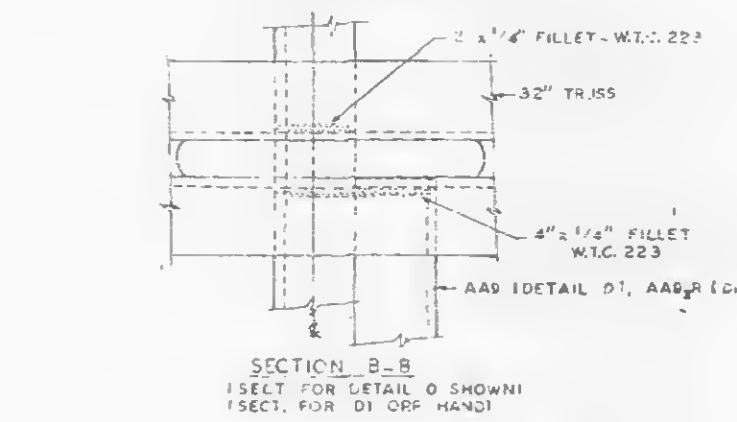
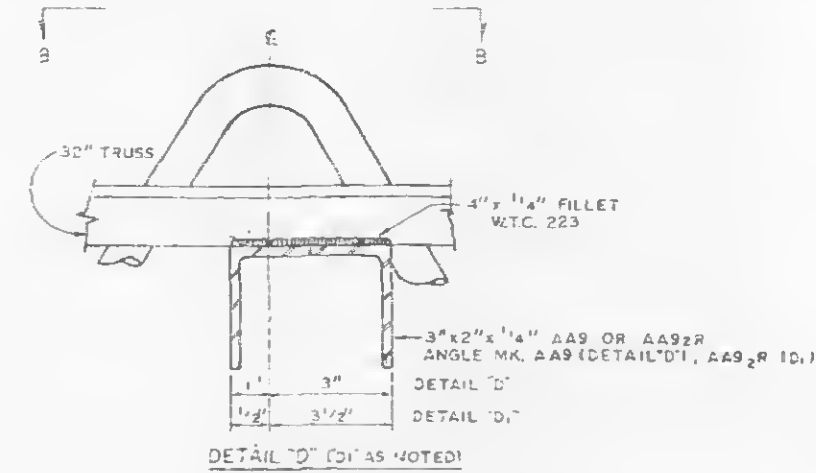
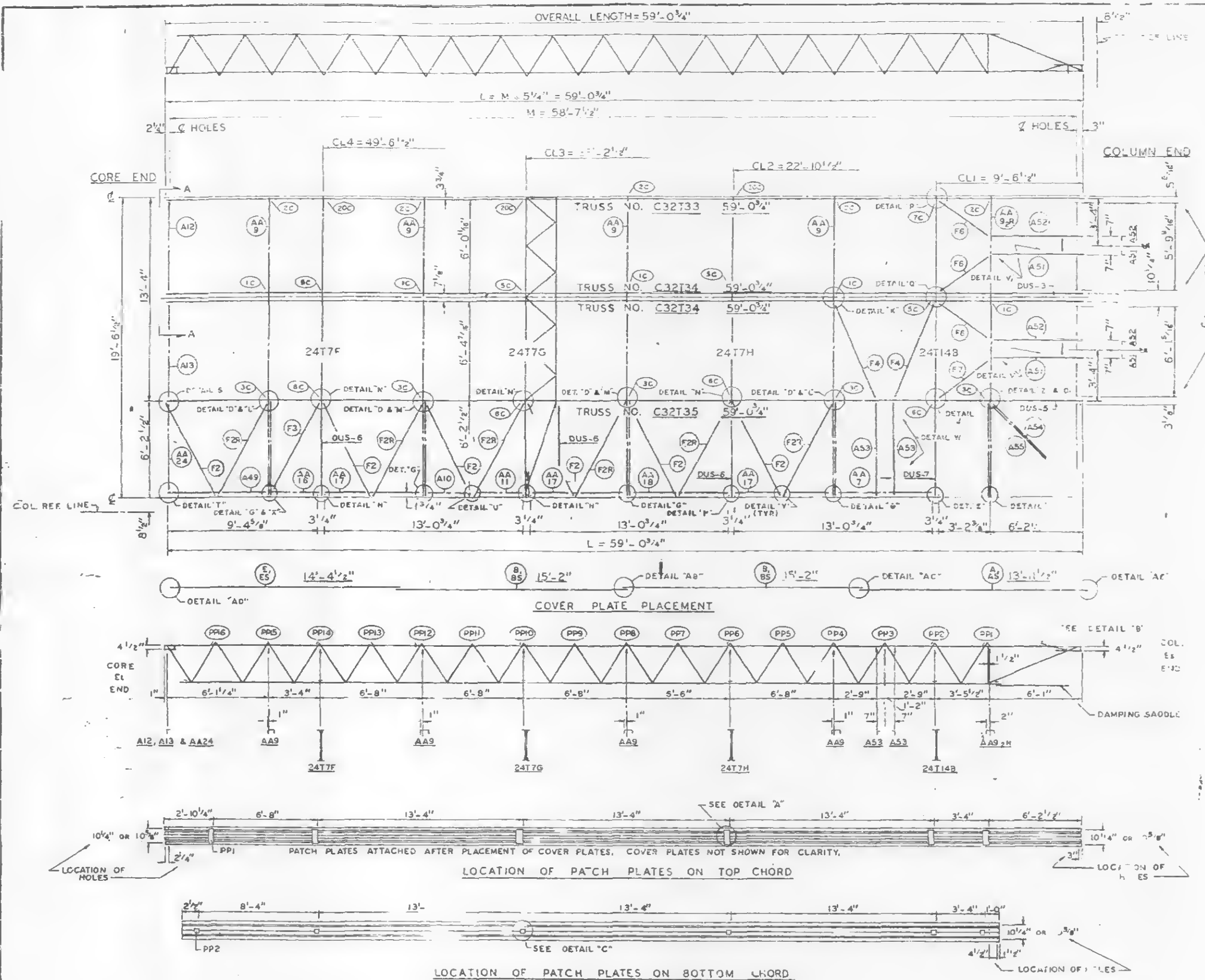
FABRICATION BY: <u>LACLEDE STEEL COMPANY</u>			
FABRICATED AT <u>MADISON, ILLINOIS</u>	DESIGN DRAWING NO. <u>7-25475</u>	PLATE _____	
APPROVED FOR FABRICATION DATE <u>1/16/69</u>	CHECKED BY: <u>J.C.A.</u> DATE <u>JAN. 17, 1969</u>	IN CHARGE OF PROD. DEV.	
APPROVED FOR FABRICATION DATE _____	CHECKED BY: <u>T.M. CHURA</u> DATE <u>JAN. 17, 1969</u>	SHEET NO. <u>FP-F5</u>	
LACLEDE STEEL CO. DETAIL BY: <u>A. CARL GIBSON</u>		FABRICATION CONT. NO. <u>W.T.C. 221</u>	

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL UNLESS SHOWN OTHERWISE. ALL CONNECTION ARC WELDS SHALL BE $\frac{1}{4}$ "-1" FILLET WELDS. SEE SHEET SP-F5-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

DETAIL "J"
END SUPPORT ANGLE "A"
TYPICAL ATTACHMENT

JNT
JSS & S

SECTION A-A
END SUPPORT ANGLES



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	W.K.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T33	1	C32T33 x 59'-0 ³ / ₄ "	ST 233
	T34	2	C32T34 x 39'-0 ³ / ₄ "	ST 234
	T35	1	C32T35 x 59'-0 ³ / ₄ "	ST 235
	T36	1	C32T36 x 39'-0 ³ / ₄ "	ST 236
BRIDGING TRUSSES	T76	1	24T76 x 19'-6"	BT 2076
	T77	1	24T77 x 19'-6"	BT 2077
	T78	1	24T78 x 19'-6"	BT 2078
	T79	1	24T79 x 19'-6"	BT 2079
3"x2"x 1/4" ANGLES	A10	1	3"x2"x 1/4"x 2'-7 ⁵ / ₈ "	ST 404
	A12	1	3"x2"x 1/4"x 5'-11 ¹ / ₈ "	ST 404
	A13	1	3"x2"x 1/4"x 6'-3 ³ / ₈ "	ST 404
	A49	1	3"x2"x 1/4"x 6'-0 ¹ / ₈ "	ST 413
	A51	2	3"x2"x 1/4"x 6'-0 ¹ / ₈ "	ST 413
	A52	2	3"x2"x 1/4"x 6'-0 ¹ / ₈ "	ST 413
	A53	2	3"x2"x 1/4"x 5'-10"	ST 413
	A54	1	3"x2"x 1/4"x 4'-0 ¹ / ₈ "	ST 413
	A55	1	3"x2"x 1/4"x 4'-3"	ST 413
	A47	1	SEE REF. DRWG.	ST 404
ANGLE ASSEMBLY	A42	4	SEE REF. DRWG.	ST 404
	A19, 20	1	SEE REF. DRWG.	ST 404
	AA11	1	SEE REF. DRWG.	ST 404
	AA16	1	SEE REF. DRWG.	ST 404
	AA17	3	SEE REF. DRWG.	ST 404
	AA18	1	SEE REF. DRWG.	ST 404
	AA24	1	SEE REF. DRWG.	ST 412
DIAGONAL FRAMES	F2	6	1 1/2"x 3/8"x 6'-10 ¹ / ₂ "	ST 402
	F2R	6	1 1/2"x 3/8"x 6'-10 ¹ / ₂ "	ST 402
	F3	1	1 1/2"x 3/8"x 6'-11 ¹ / ₂ "	ST 402
	F4	2	1 1/2"x 3/8"x 7'-0"	ST 402
	F6	3	1 1/2"x 3/8"x 4'-7"	ST 415
	F7	1	1 1/2"x 3/8"x 4'-8 ³ / ₄ "	ST 415
PATCH PLATES	PP1	6	2"x 1 1/2"x 0'-9"	ST 400
	PP2	6	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	1	9"x .0135"x 13'-11 ¹ / ₂ "	ST 303
	B	2	9"x .0135"x 15'-2"	ST 303
	E	1	9"x .0135"x 14'-4 ¹ / ₂ "	ST 303
	A	1	3 1/2"x .0135"x 13'-11 ¹ / ₂ "	ST 303
	B8	2	3 1/2"x .0135"x 13'-2"	ST 303
	E	1	3 1/2"x .0135"x 14'-2"	ST 303
ANGLE CLIPS	C1	9	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C2	7	2 1/2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C3	1	5"x 2"x .37"x 0'-3"	ST 416
	CL5-C9	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 1/2"	ST 298
DAMPING SADDLE	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 1/2"	ST 298
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 1/2"	ST 299
	DUS-7	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 1/2"	ST 299
	DUS-8	1	3 1/2"x 3 1/2"x 3/8"x 4'-4 1/2"	ST 299
MISC. PLATES	PF-1	2	1 1/2"x 1 1/2"x 0'-4"	ST 400
	PF-3	5	3 1/2"x 3 1/2"x 0'-5"	ST 400
	PF-12	2	6 1/2"x 1 1/2"x 1'-0"	ST 416
	PF-43	2	1 1/2"x 1/4"x 1'-0"	ST 416
	PF-14	2	3 1/2"x 1 1/2"x 0'-7"	ST 416
	PF-15	1	1 1/2"x 1 1/2"x 0'-2"	ST 416
	PF-16	2	6 1/2"x 1 1/2"x 0'-2"	ST 416
	PF-17	2	2 1/2"x 1/4"x 3'-6"	ST 416
PF-18	3	2 1/2"x 1/4"x 1'-1 1/2"	ST 416	
* B SHEAR ANCHOR				ST 400
SAJ2	2	* B REBAR 0'-9"	ST 400	

LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CO 201, CO 204 A CO 229, etc.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 44 (SOUTH)

PANEL FB 19'-6\"/>

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-62

DATE 4/25/69

CHECKED BY: T.M. CHURRA

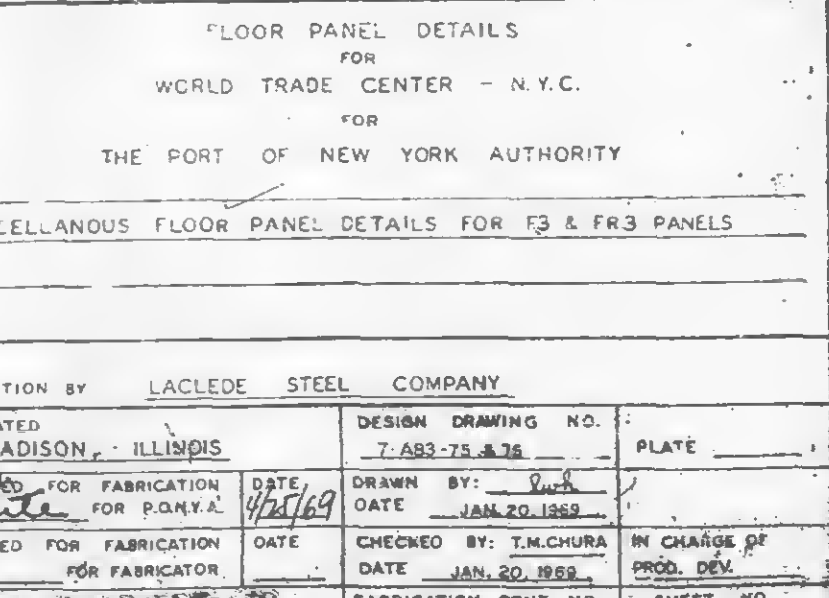
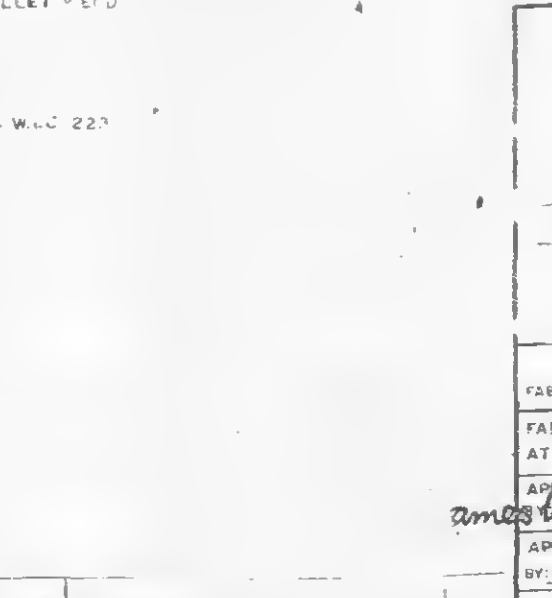
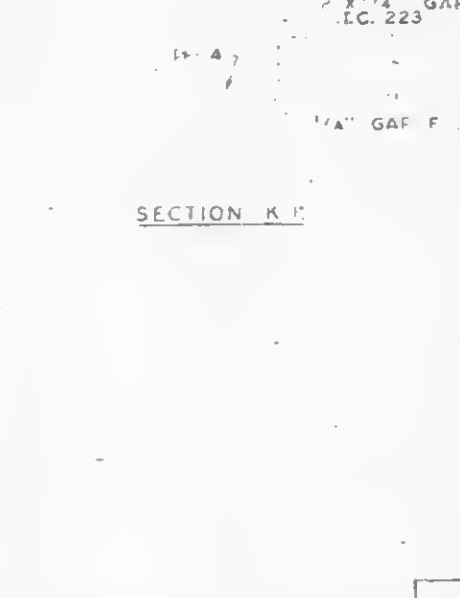
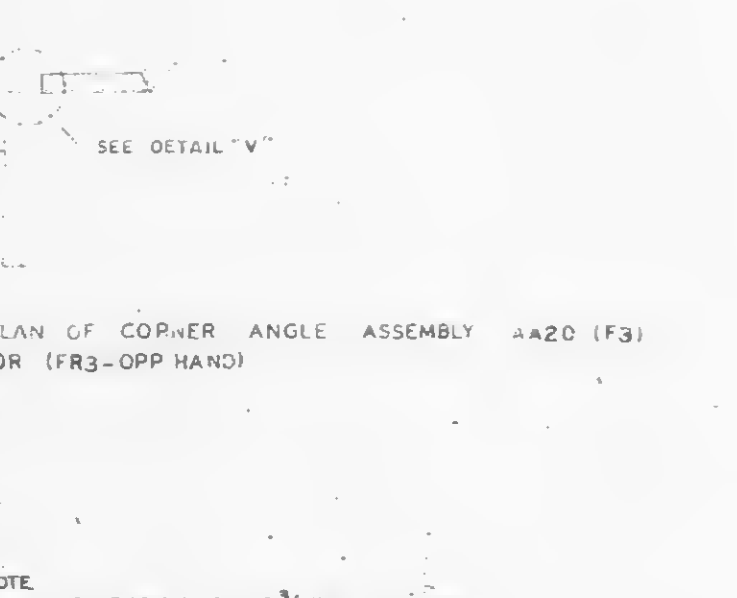
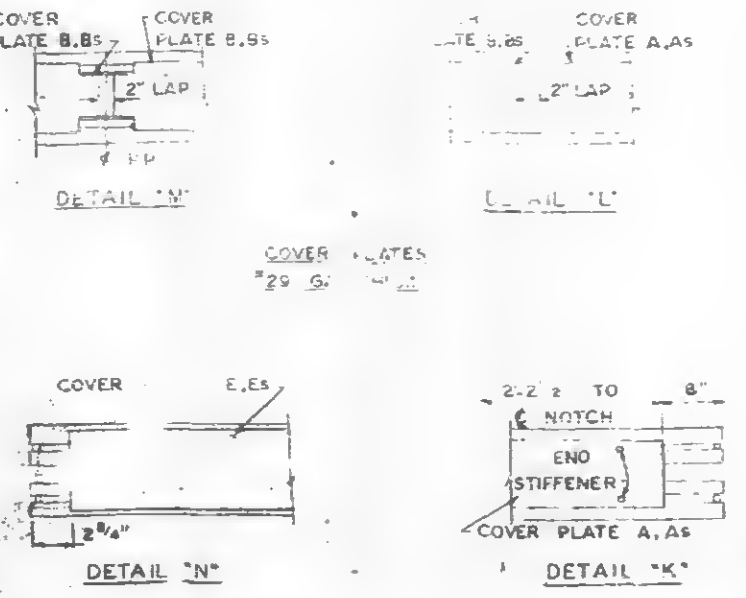
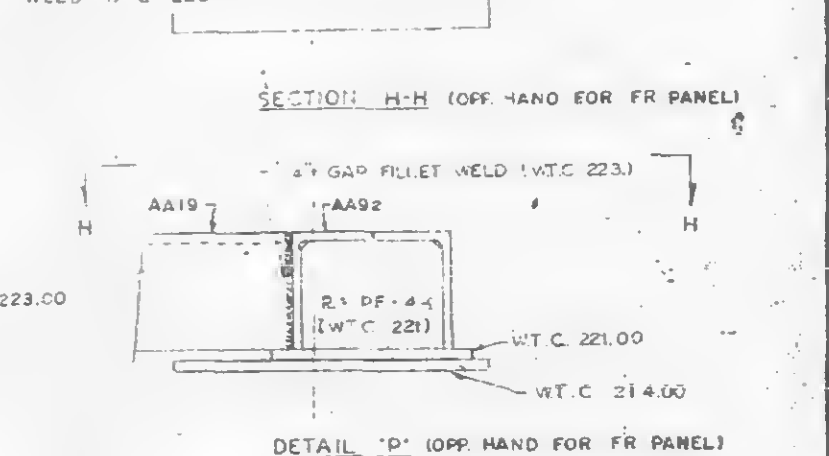
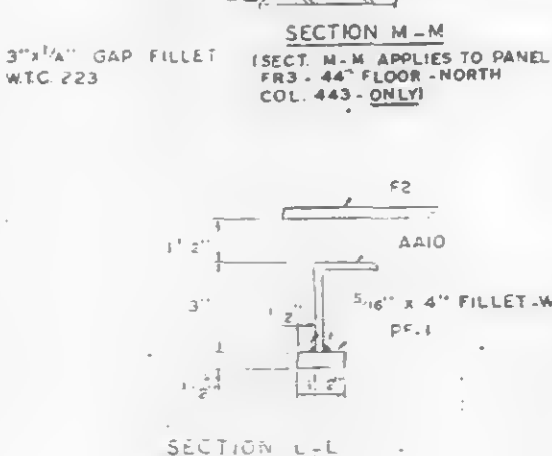
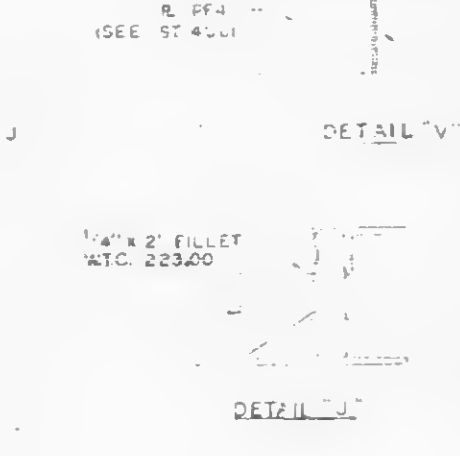
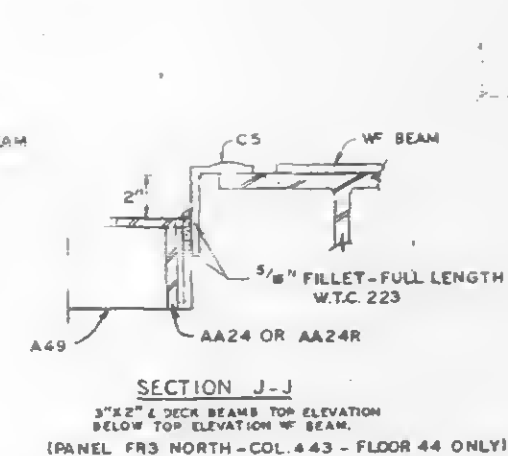
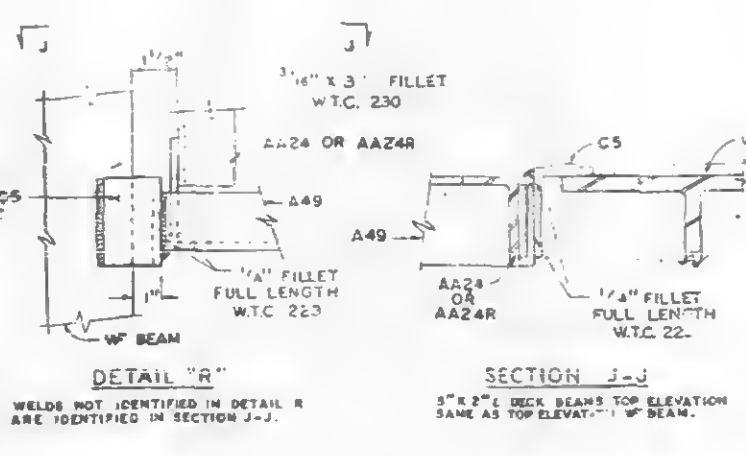
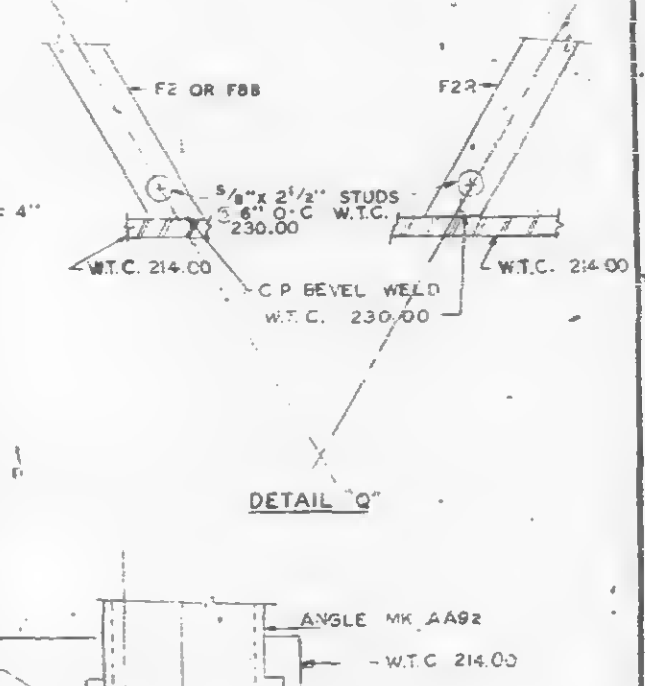
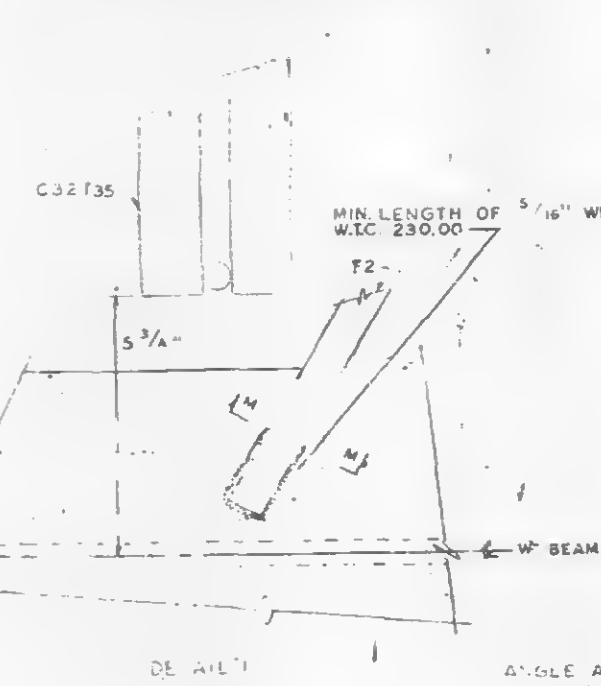
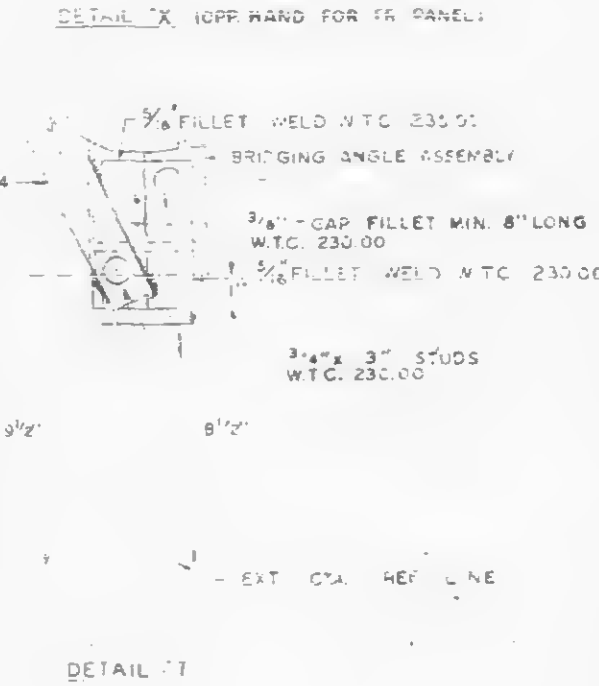
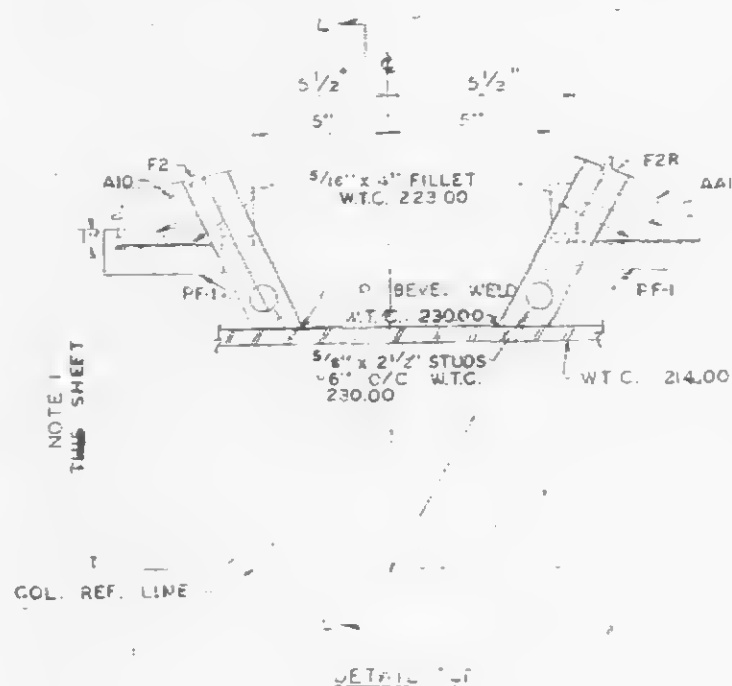
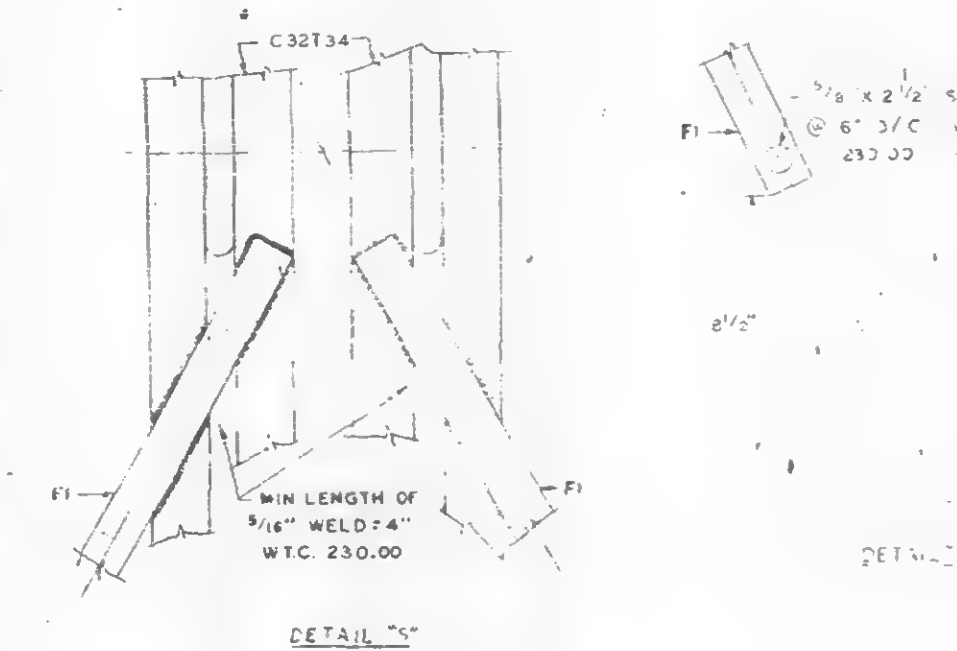
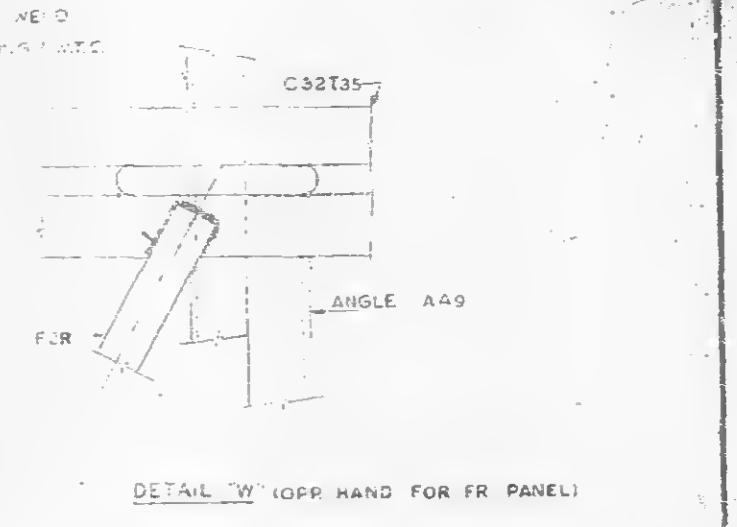
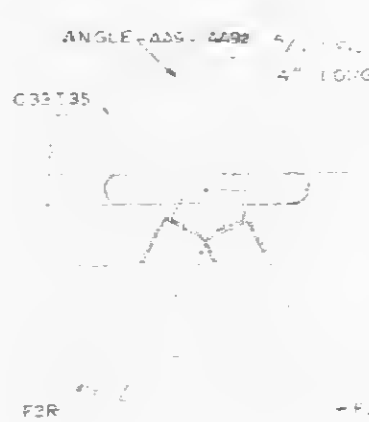
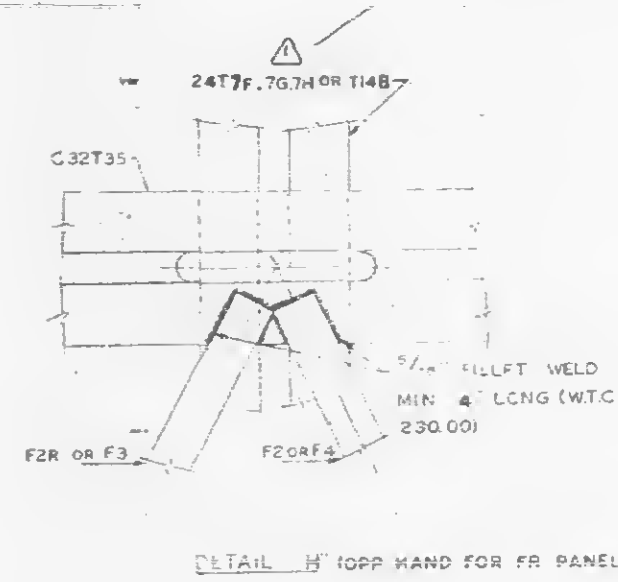
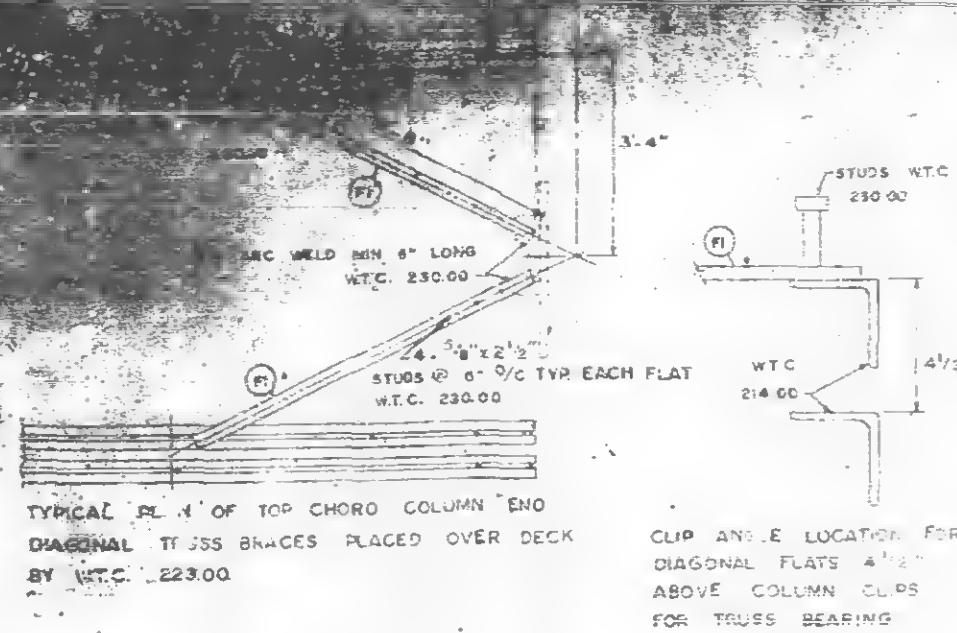
DATE FEB. 7, 1969

IN CHARGE OF PROD. DEV.

FABRICATION CONT. NO. WTC 221

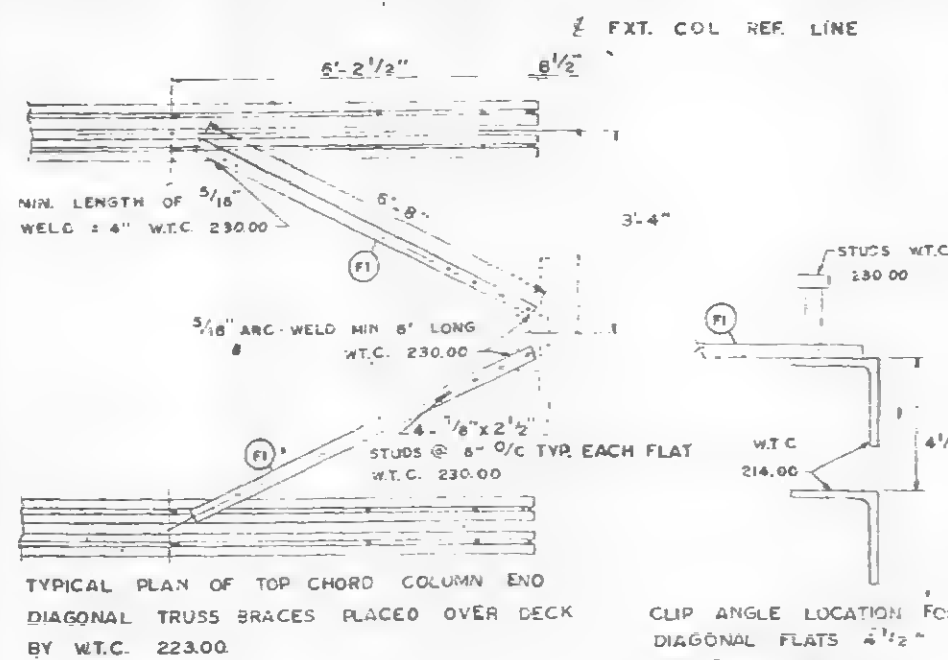
SHEET NO. FP-FB

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. SEE SHEET FP-FB-2 OR FP-FB-3 FOR DETAILS CALLED BUT NOT SHOWN ON THIS SHEET. UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1\"/>

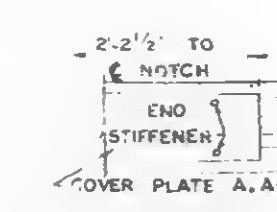
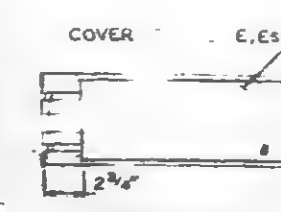
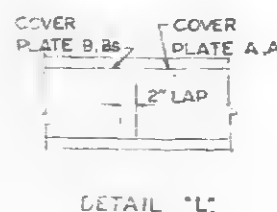
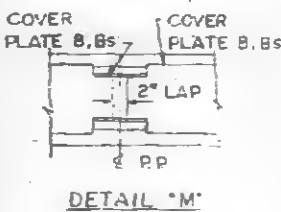
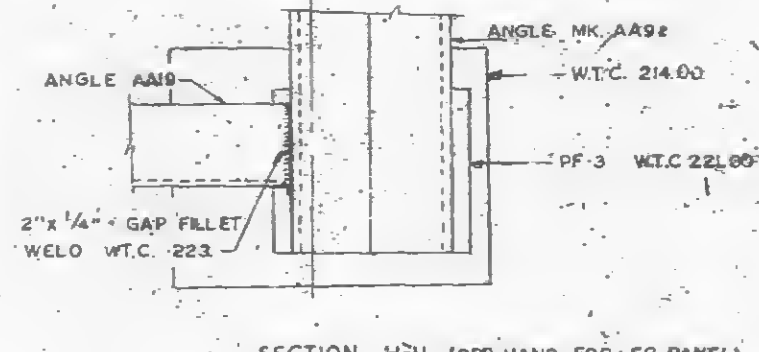
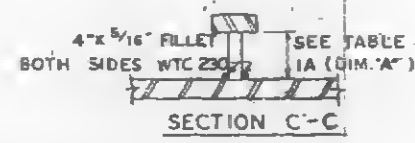
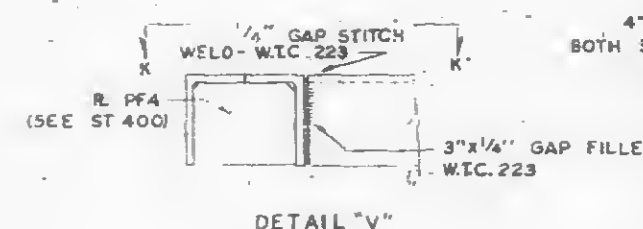
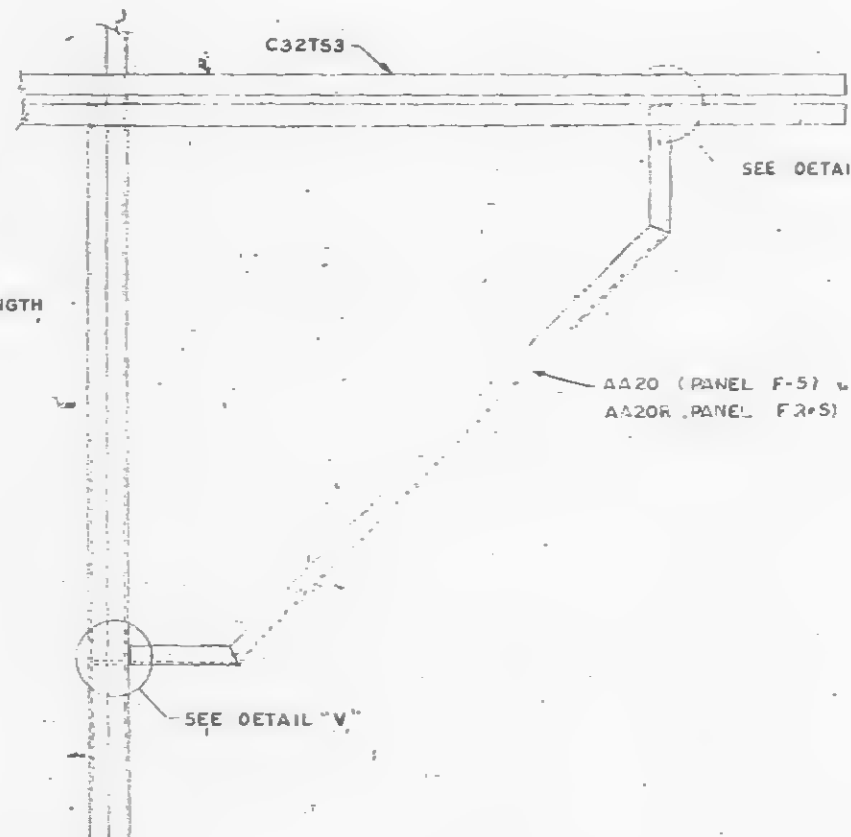
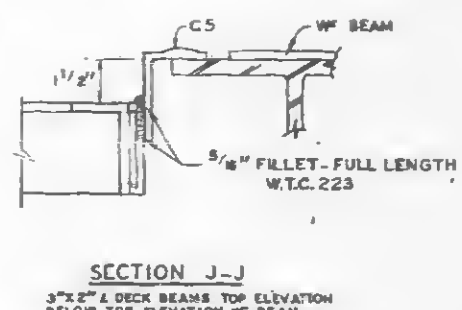
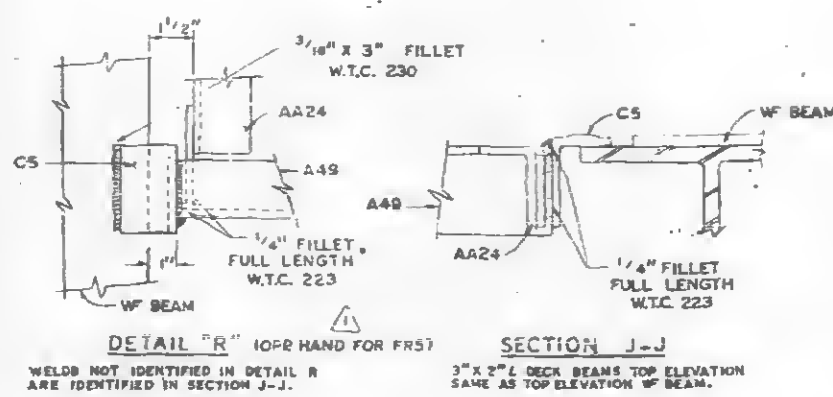
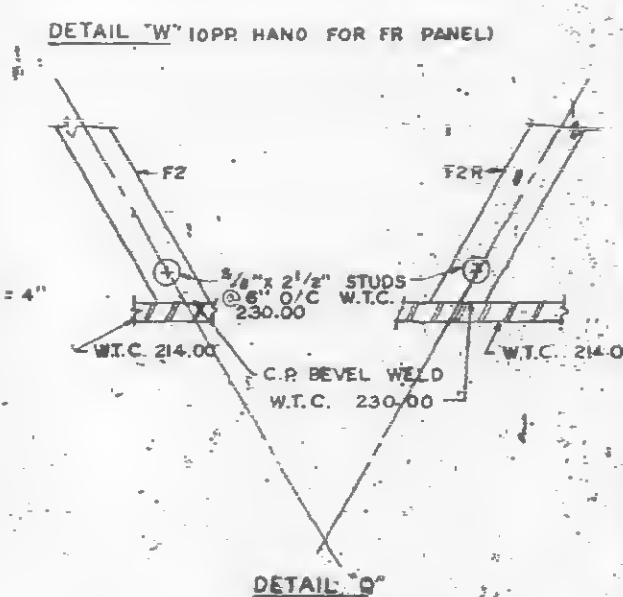
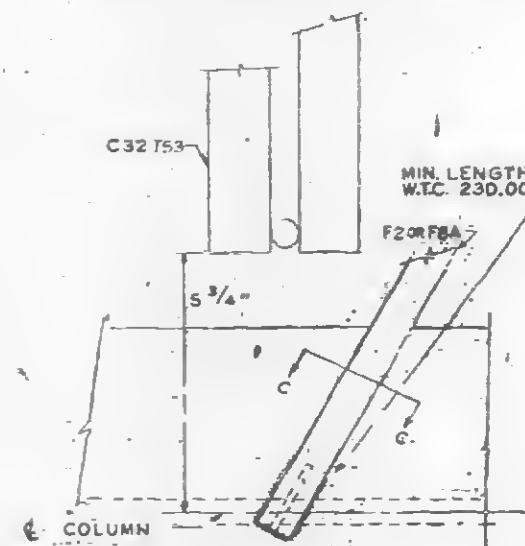
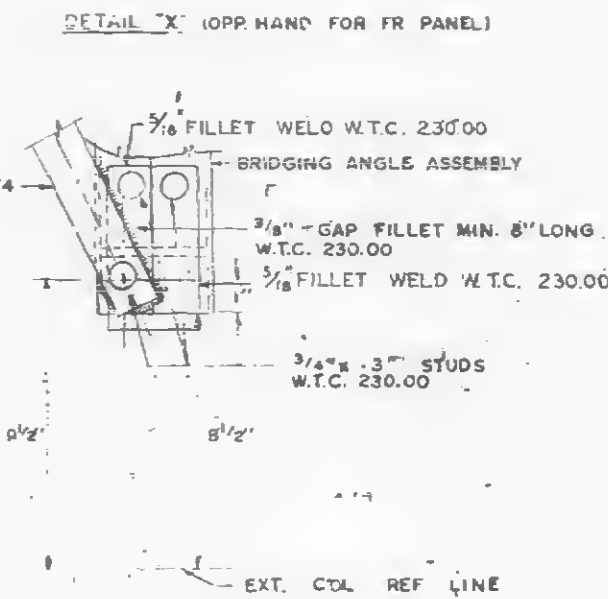
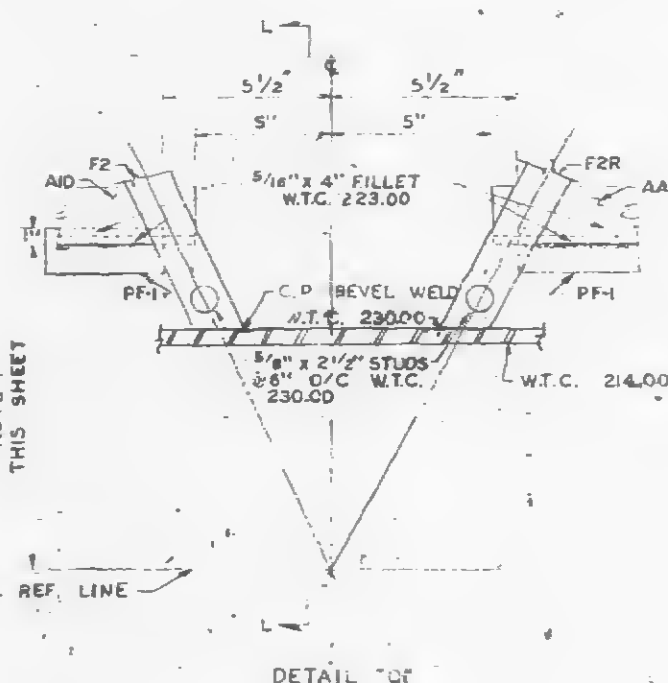
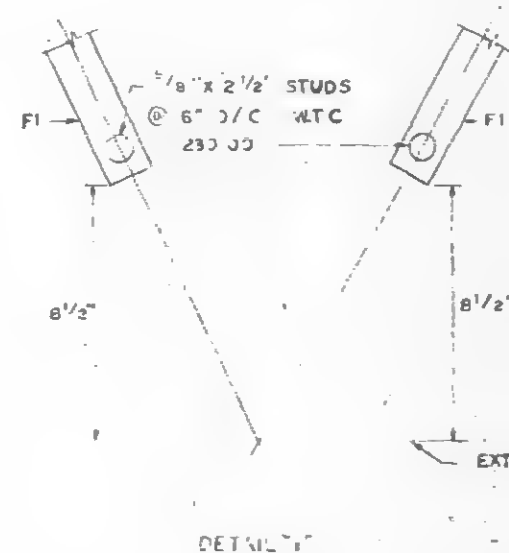
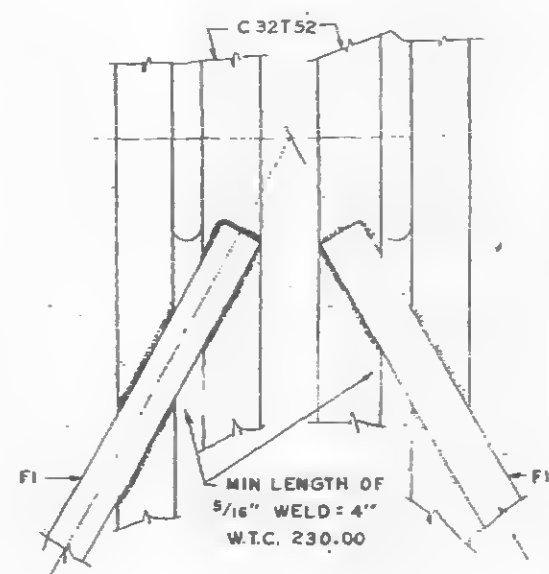
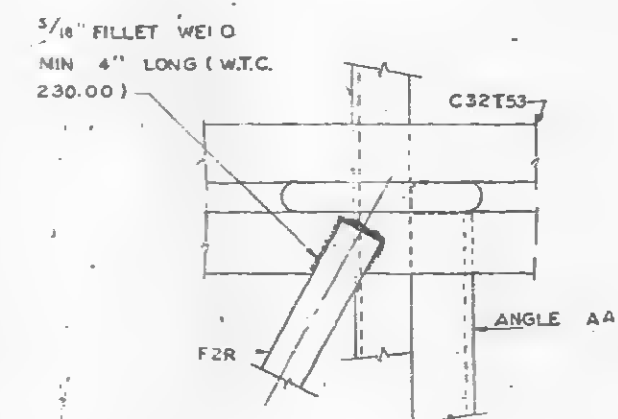
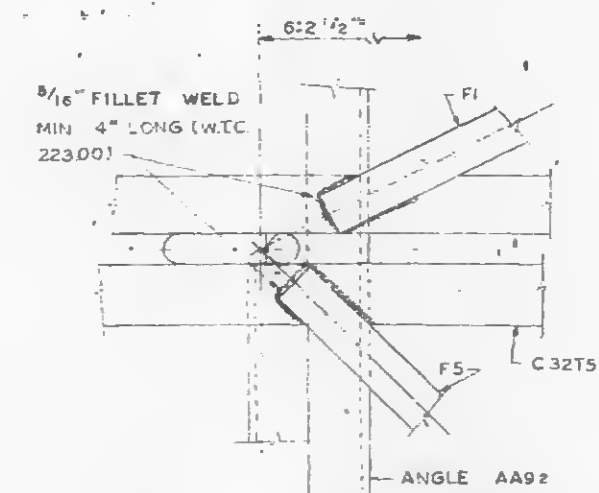
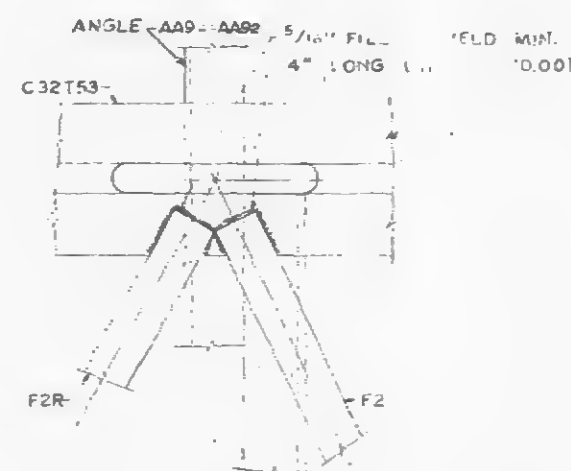
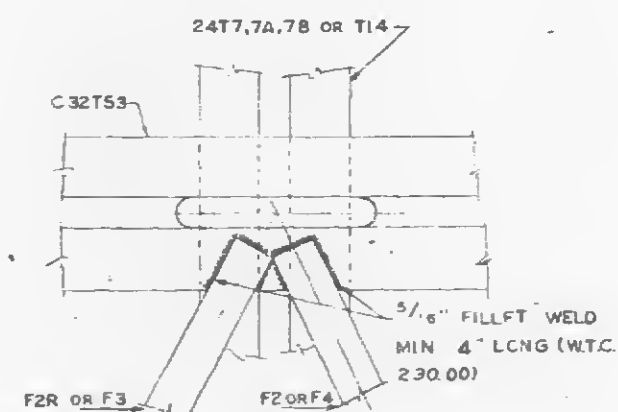


FLOOR PANEL DETAILS			
FOR			
WORLD TRADE CENTER - N.Y.C.			
FOR			
THE PORT OF NEW YORK AUTHORITY			
MISCELLANEOUS FLOOR PANEL DETAILS FOR F3 & FR3 PANELS			
FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-75-838	PLATE	
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 4/2/69	DRAWN BY: J.M.C. DATE JAN 20 1969	IN CHARGE OF PROD. DEV.	
APPROVED FOR FABRICATION BY: DATE	CHECKED BY: T.M.CHURA DATE JAN 20 1969	FABRICATION CONT. NO. WTC 221	
NO. DATE REVISION		SHEET NO. FP-F3-2	

NOTE
1. DIMENSION IS 10 3/4" FOR FLOORS 4-4
AND IS 9 1/4" FOR 7B



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING



FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00

NOTE: 1. DIMENSION IS 10 3/4" FOR FLOORS 45-49 (SOUTH) 45 (NORTH), AND IS 9 1/4" FOR 79-83 (NORTH).

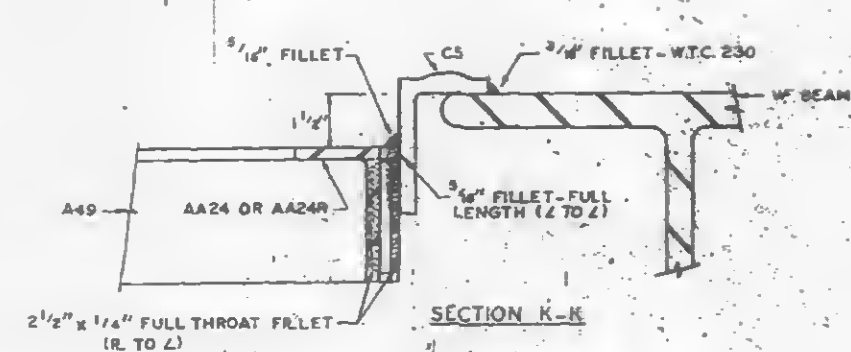
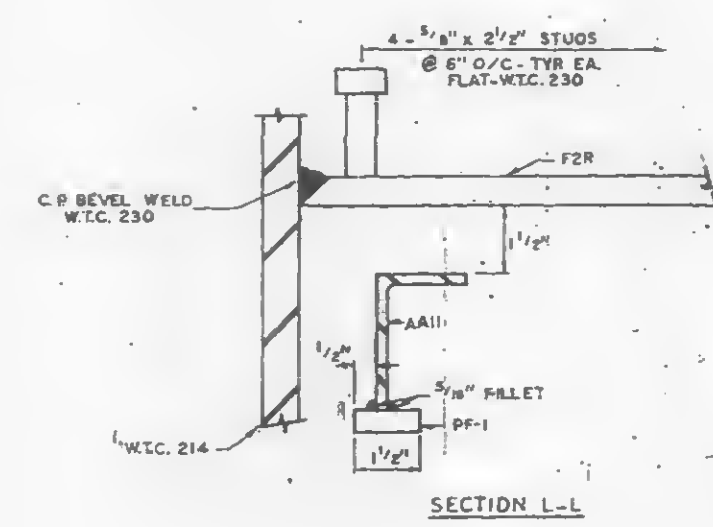
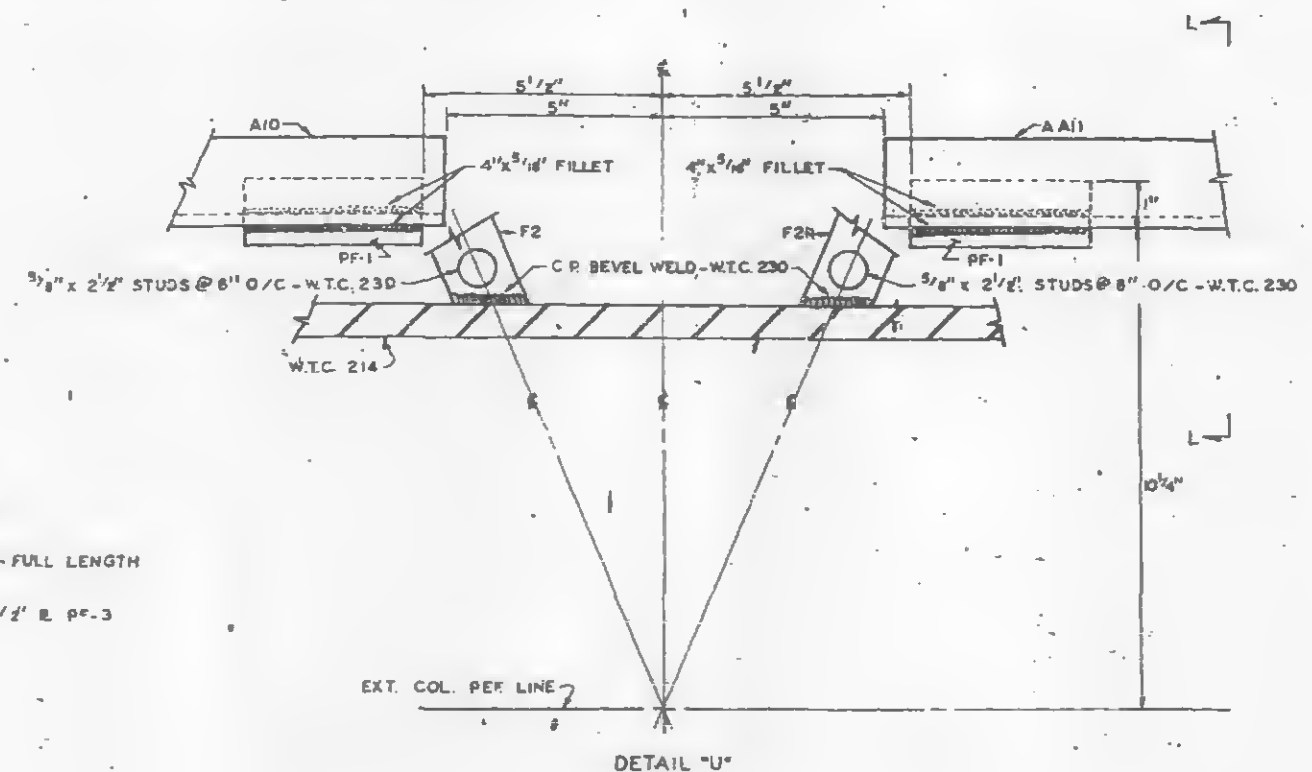
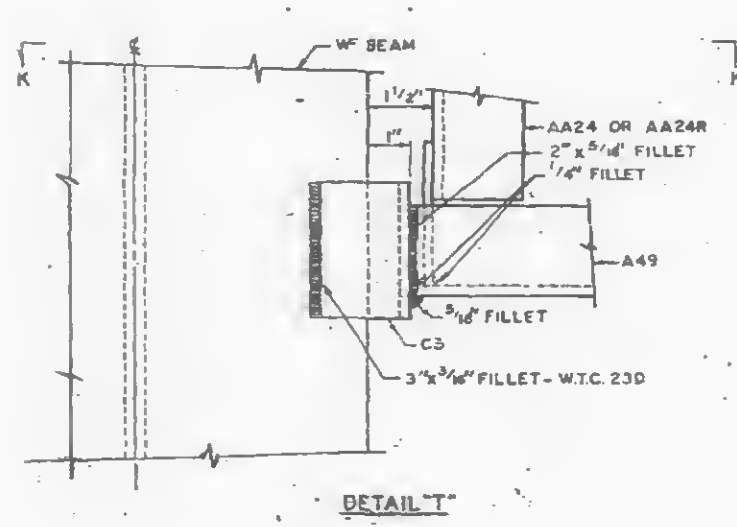
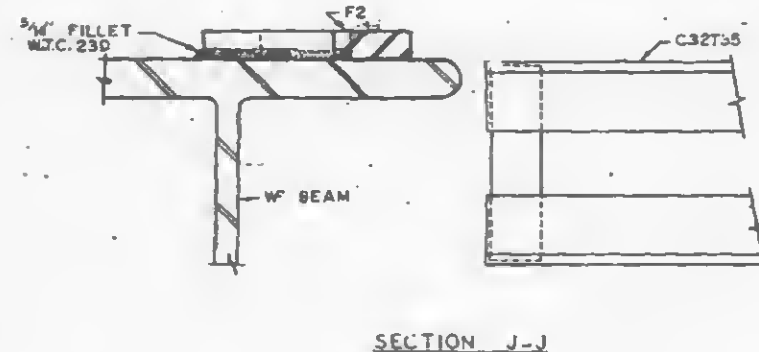
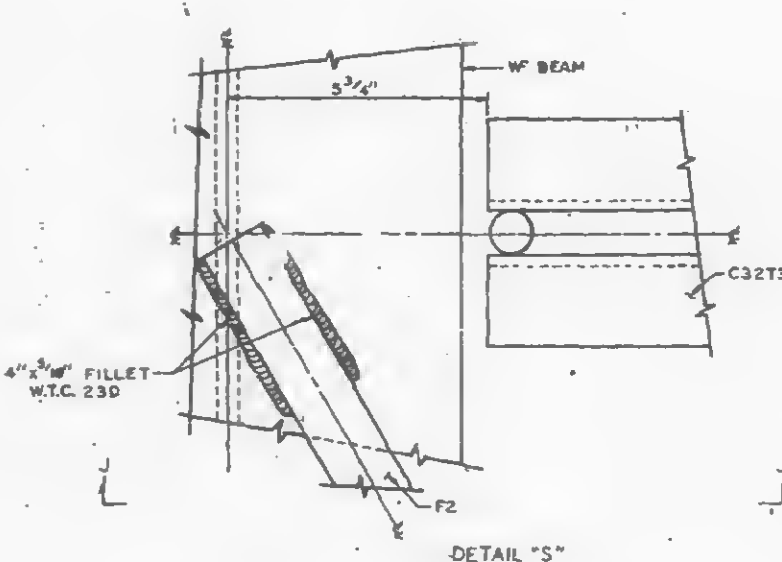
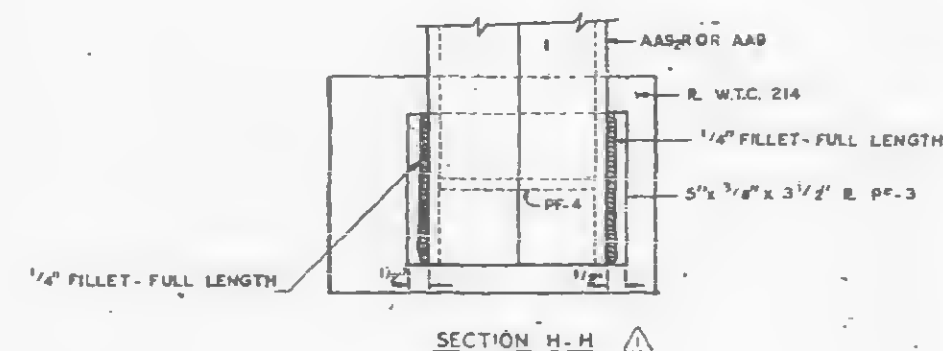
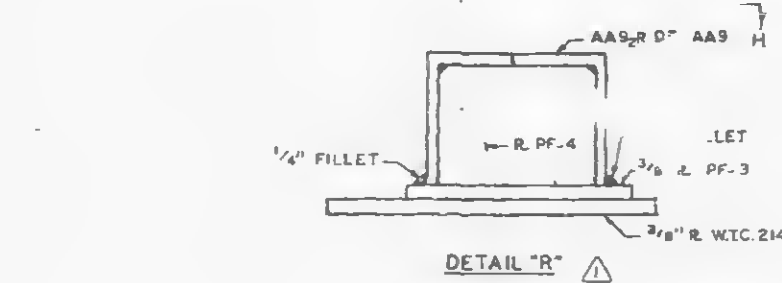
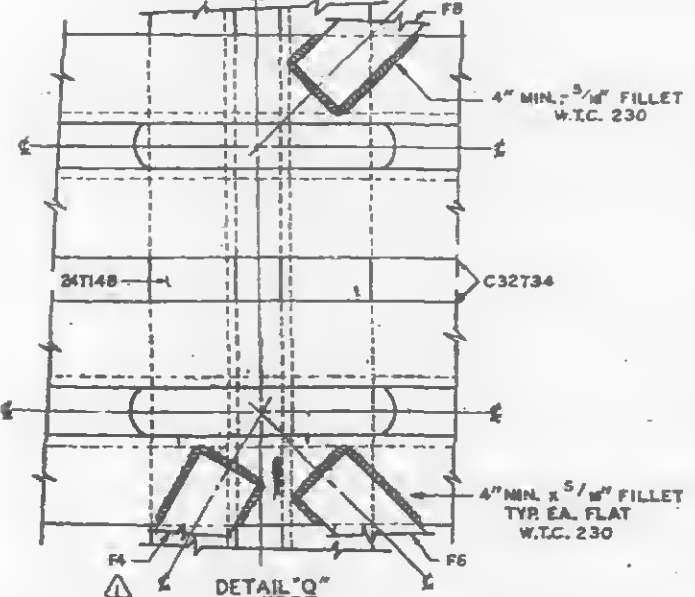
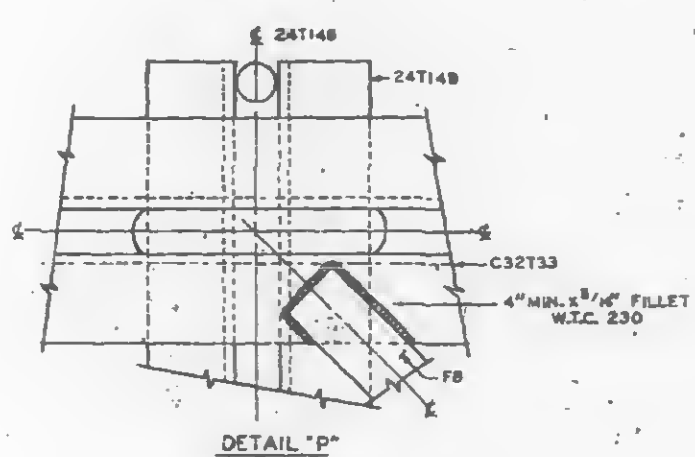
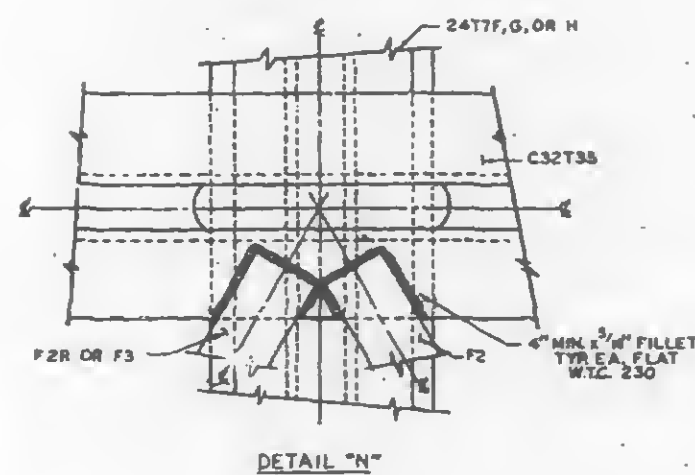
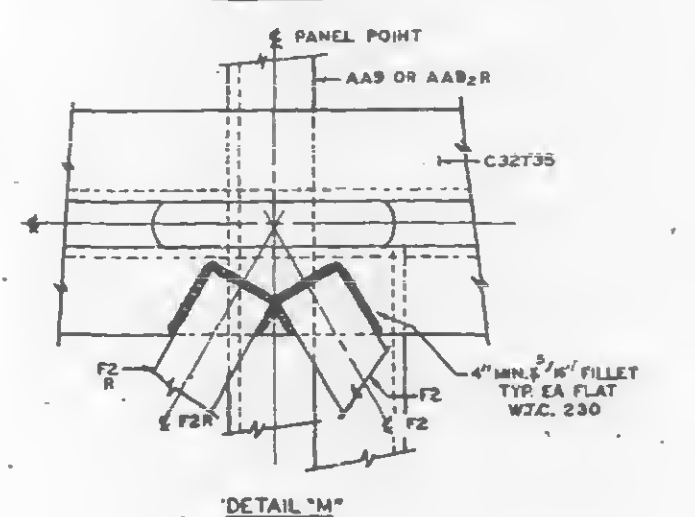
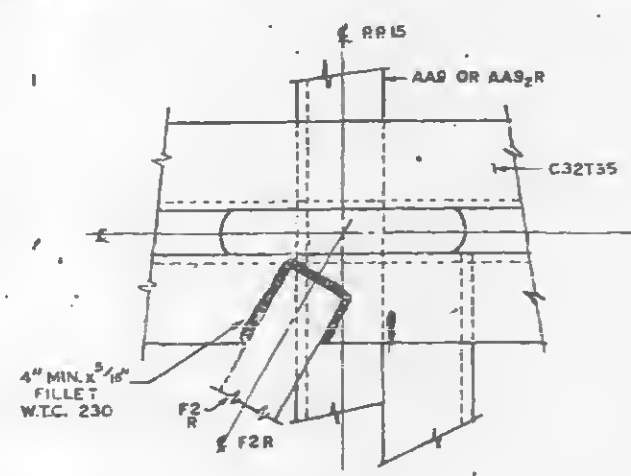
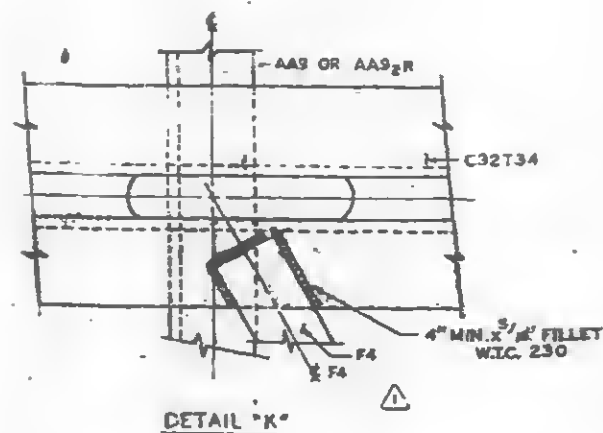
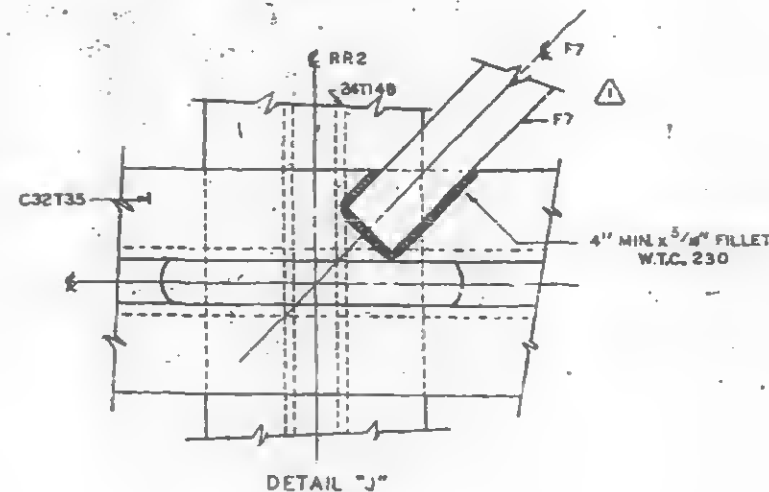
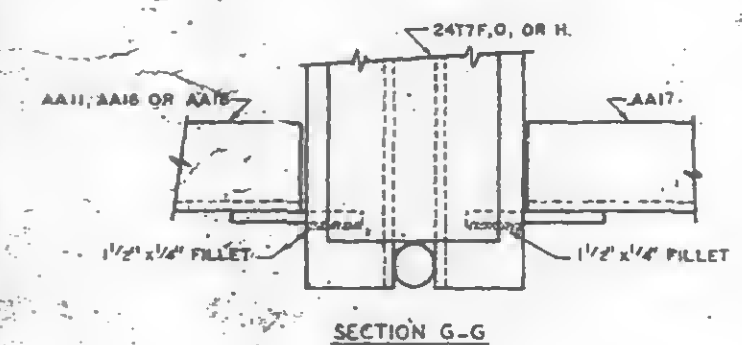
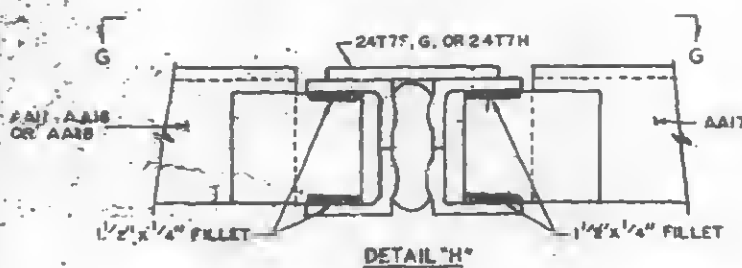
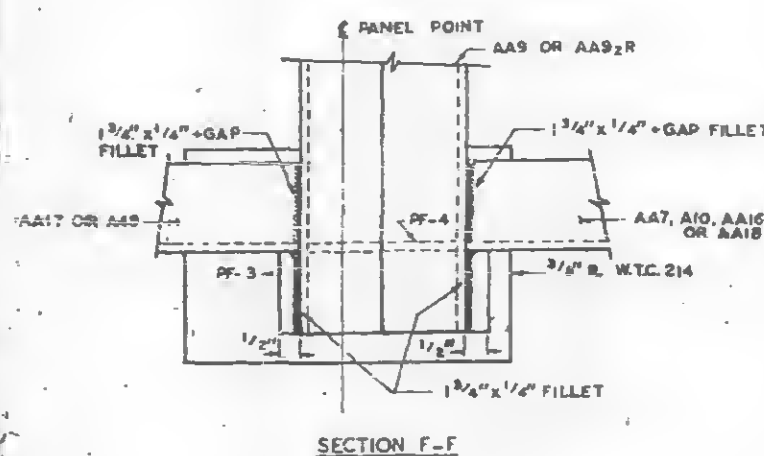
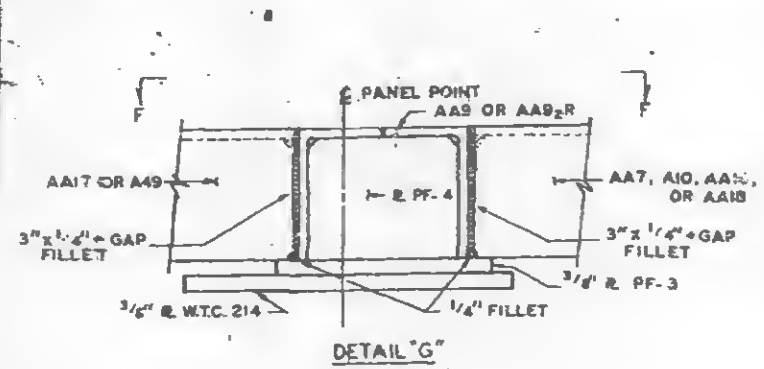
TABLE "JA"				
DIM "A" COL. LINE				
45	1 1/2	0	0	0
46	1 1/2	1 1/2	1 1/2	1 1/2
47	1 1/2	1 1/2	1 1/2	1 1/2
48	1 1/2	1 1/2	1 1/2	1 1/2
49	0	0	0	0
79	0	1 1/2	0	0
80	1 1/2	1 1/2	1 1/2	1 1/2
81	1 1/2	1 1/2	1 1/2	1 1/2
82	1 1/2	1 1/2	1 1/2	1 1/2
83	0	0	0	0

PANEL F5 - F2 USED WHEN DIM "A" = 0"
F5A - 1 1/2"
F5R - 0"
PANEL FR5 - F5AR - 1 1/2"

FLOOR PANEL DETAILS FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
MISCELLANEOUS FLOOR PANEL DETAILS FOR FS & FR5 PANELS

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT: MADISON, ILLINOIS
DESIGN DRAWING NO.: 7-AB3-75 & 76
DATE: 4/25/69
DRAWN BY: J. W. WHITE
CHECKED BY: T. M. CHURA
DATE: JAN. 20, 1969
IN CHARGE OF PROD. DEV.:
SHEET NO.: EP-F5-2
FABRICATION CONT. NO.: W.T.C. 221

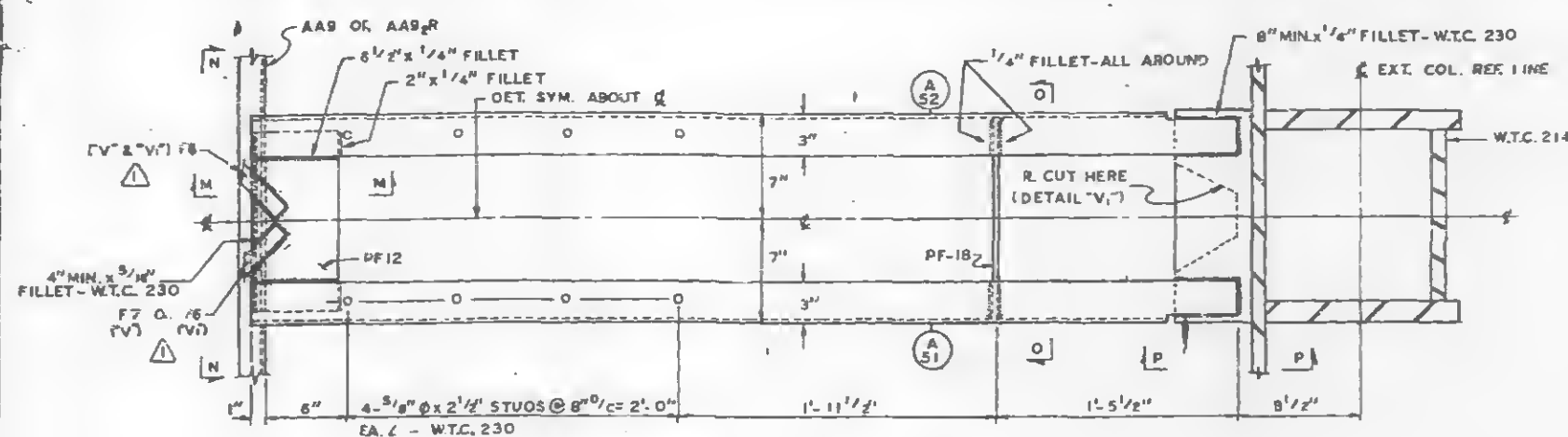
NO. DATE REVISION
4-9-69 AS NOTED
BY: G.D.C.



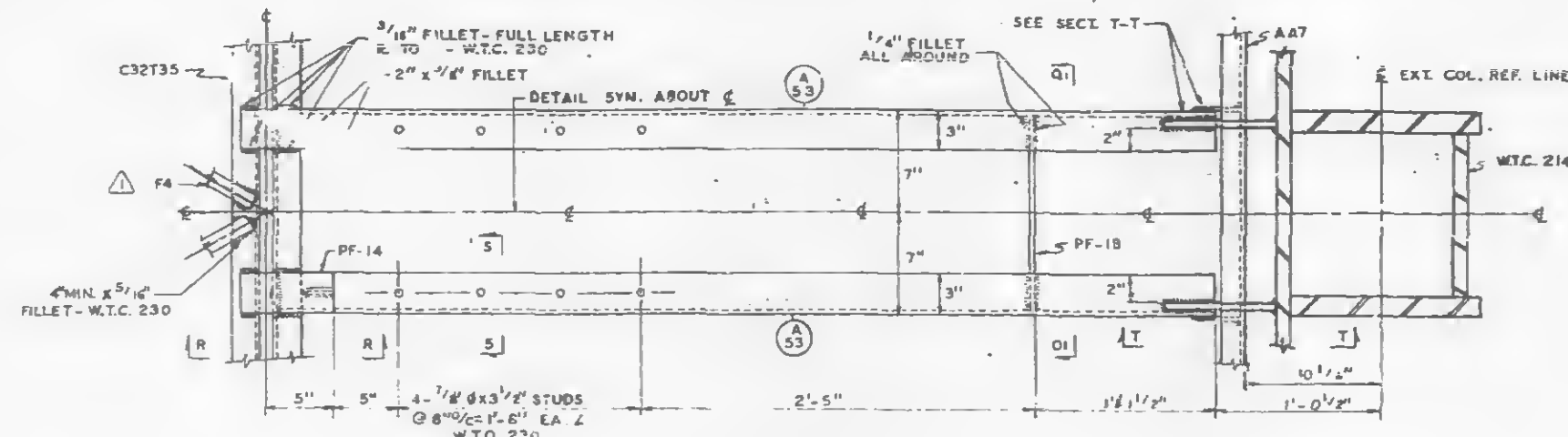
ALL DETAILS ON THIS SHEET ARE DRAWN FOR PANEL FB. ALL DETAILS MAY BE USED FOR PANEL FR IF USED OPPOSITE HAND. UNLESS OTHERWISE NOTED ALL WELDS ARE TO BE MADE BY W.T.C. 223. STEEL DECK NOT SHOWN ON DETAILS FOR CLARITY. ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

FLOOR PANEL DETAILS			
FOR			
WORLD TRADE CENTER - N.Y.C.			
FOR			
THE PORT OF NEW YORK AUTHORITY			
FLOOR PANEL DETAILS FOR PANELS FB & FRB			
FABRICATION BY: LACLEDE STEEL COMPANY			
FABRICATED AT: MADISON, ILLINOIS	DESIGN DRAWING NO: 7-222-02 & 03	PLATE	
APPROVED FOR FABRICATION BY: [Signature]	DATE: FEB 7 1969	DRAWN BY: [Signature]	DATE: FEB 7 1969
APPROVED FOR FABRICATION BY: [Signature]	DATE: FEB 7 1969	CHECKED BY: T.M. CHURRA	DATE: FEB 7 1969
G.D.C.	BY: [Signature]	FABRICATION CONT. NO. 221	SHEET NO. FP-FB-2

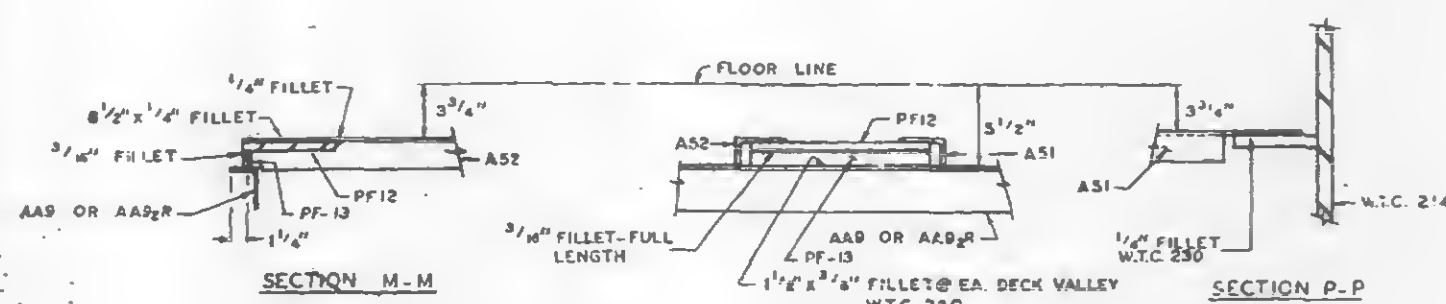
NO	DATE	REVISION
1	4-30-68	AS NOTED



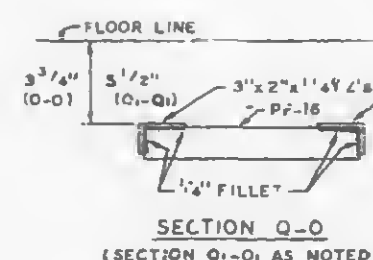
DETAIL V-V (OPR HAND FOR FRB)
(DETAIL V-V AS NOTED)



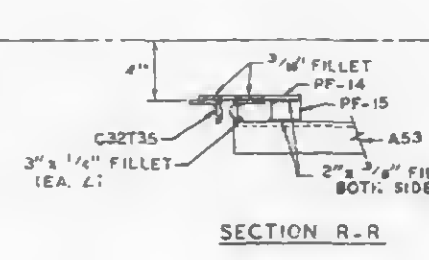
DETAIL W-W



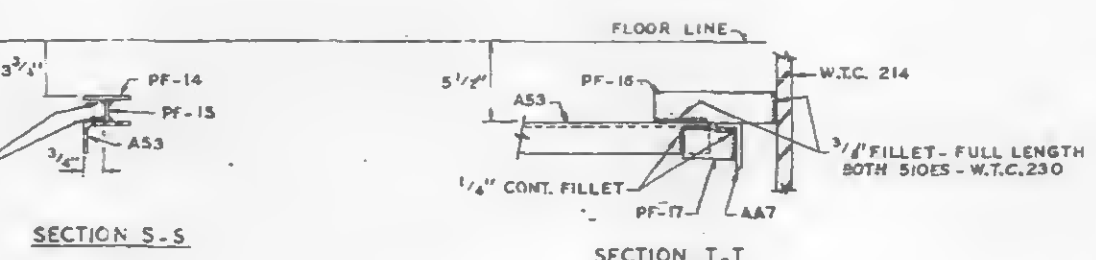
SECTION N-N



SECTION Q-Q (SECTION Q-Q AS NOTED)

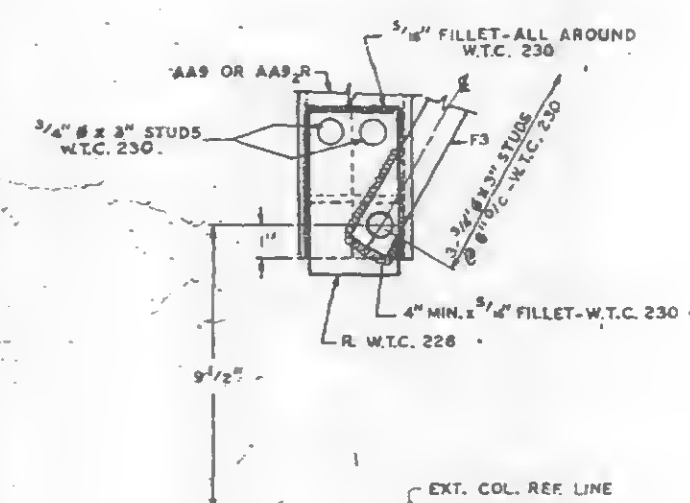


SECTION R-R

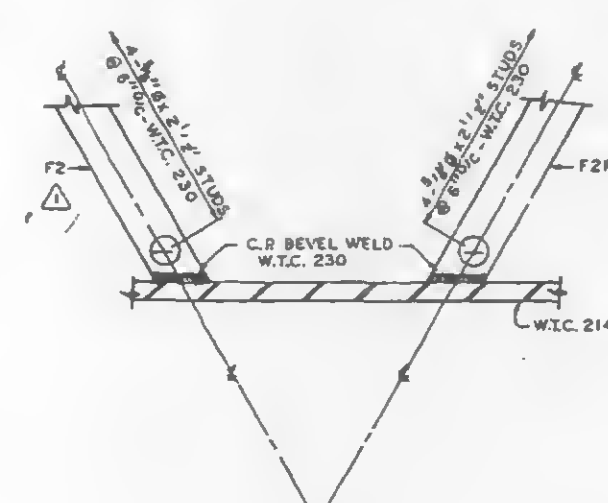


SECTION S-S

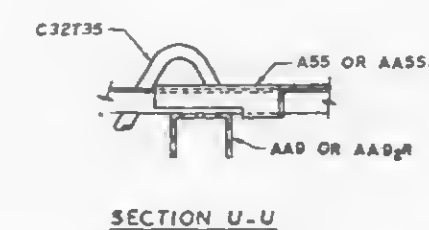
SECTION T-T



DETAIL X-X
(OPR HAND FOR FRB)



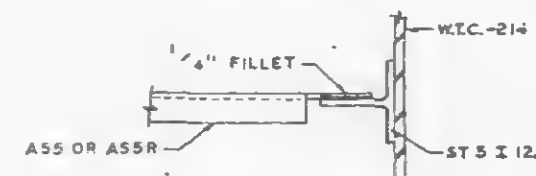
DETAIL Y-Y
(OPR HAND FOR FRB)



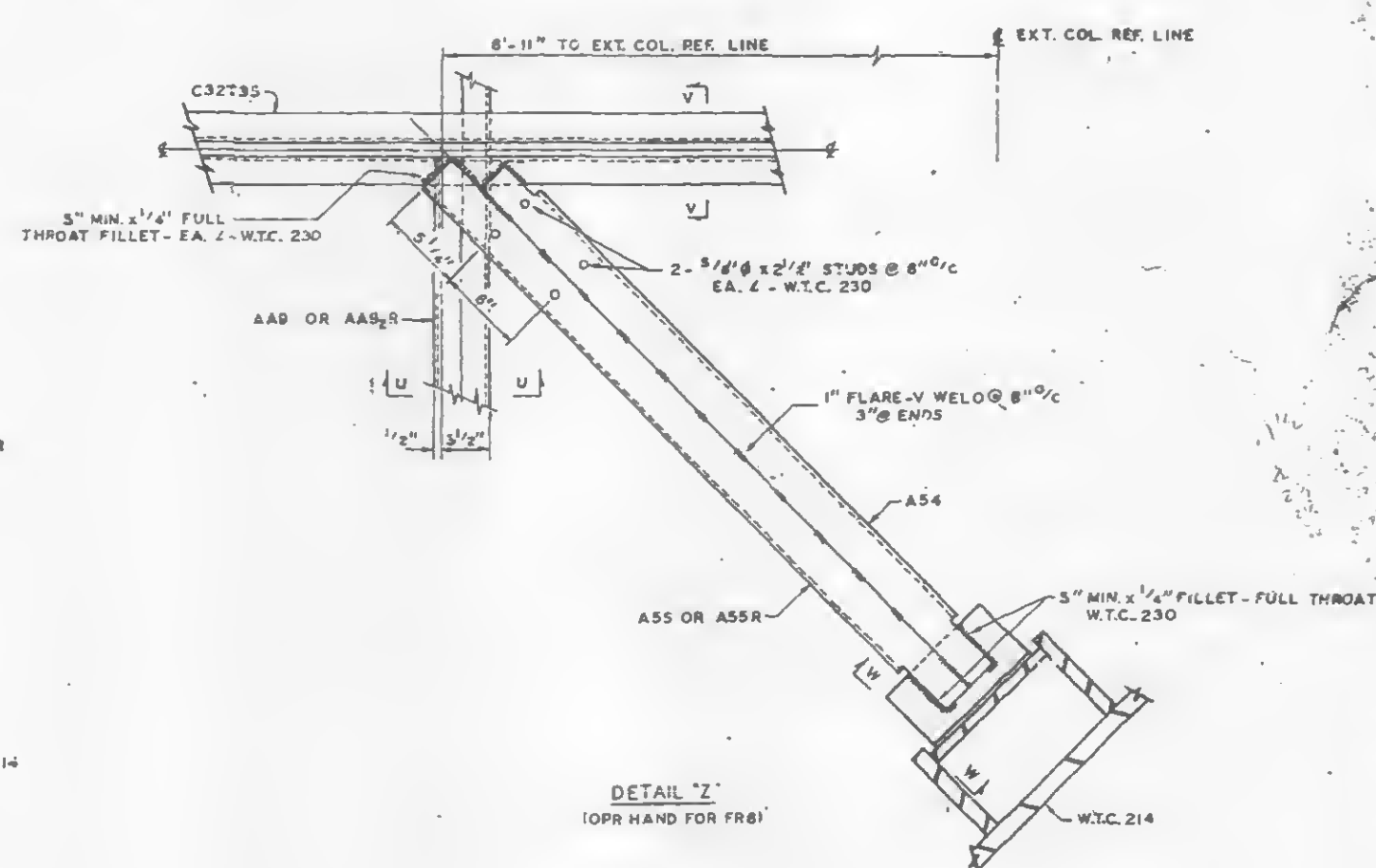
SECTION U-U



SECTION V-V



SECTION W-W



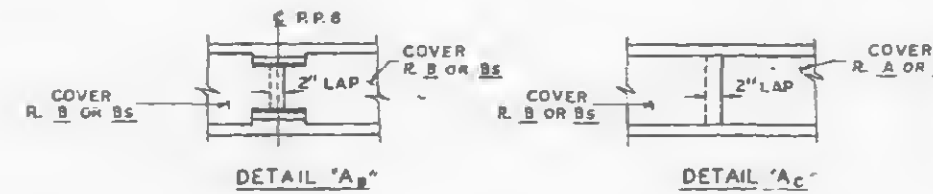
DETAIL Z-Z
(OPR HAND FOR FRB)

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN
RODS IN THE E-70 SERIES OF EQUAL,
UNLESS OTHERWISE NOTED. ALL ARC WELDS BY WTC-23.
STP L DECK NOT SHOWN ON DETAILS FOR CLARITY.

REF. DR. 3

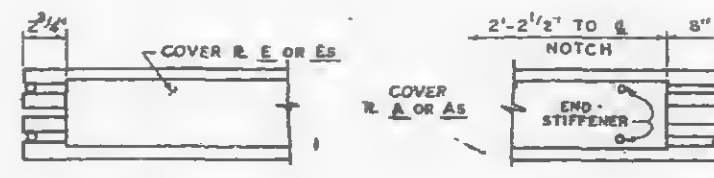
7-AB3-62	1-20-69	7-AB4-45.1	11-25-69
7-AB3-1	1-20-69	7-AB4-21	1-6-69
5A-124	1-6-69	7-AB4-22	1-6-69
7-AB1-30	1-6-69	7-AB4-22.1	7-22-69
7-AB1-31	1-6-69	7-AB4-23	7-22-69
7-AB1-48	1-6-69	7-AB4-24	10-15-69
7-AB2-18	1-6-69	7-AB4-26	7-22-69
7-AB2-8	1-6-69		
7-AB4-31.1	1-20-69		
7-AB4-34.1	1-20-69		
7-AB4-34.3	1-20-69		

NO.	DATE	REVISION	BY
1	4-10-69	AS NOTED	G.D.C.



DETAIL A-A

DETAIL A-C

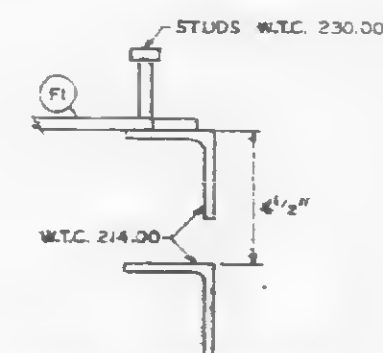
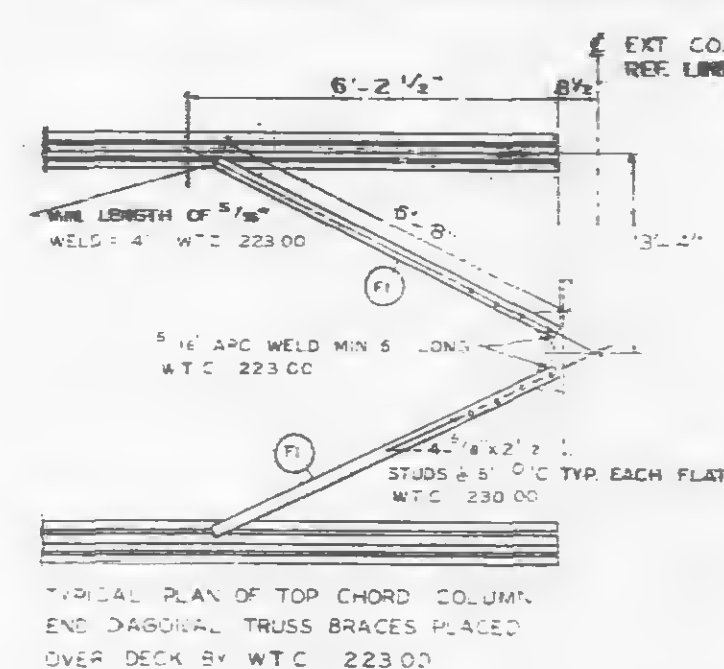
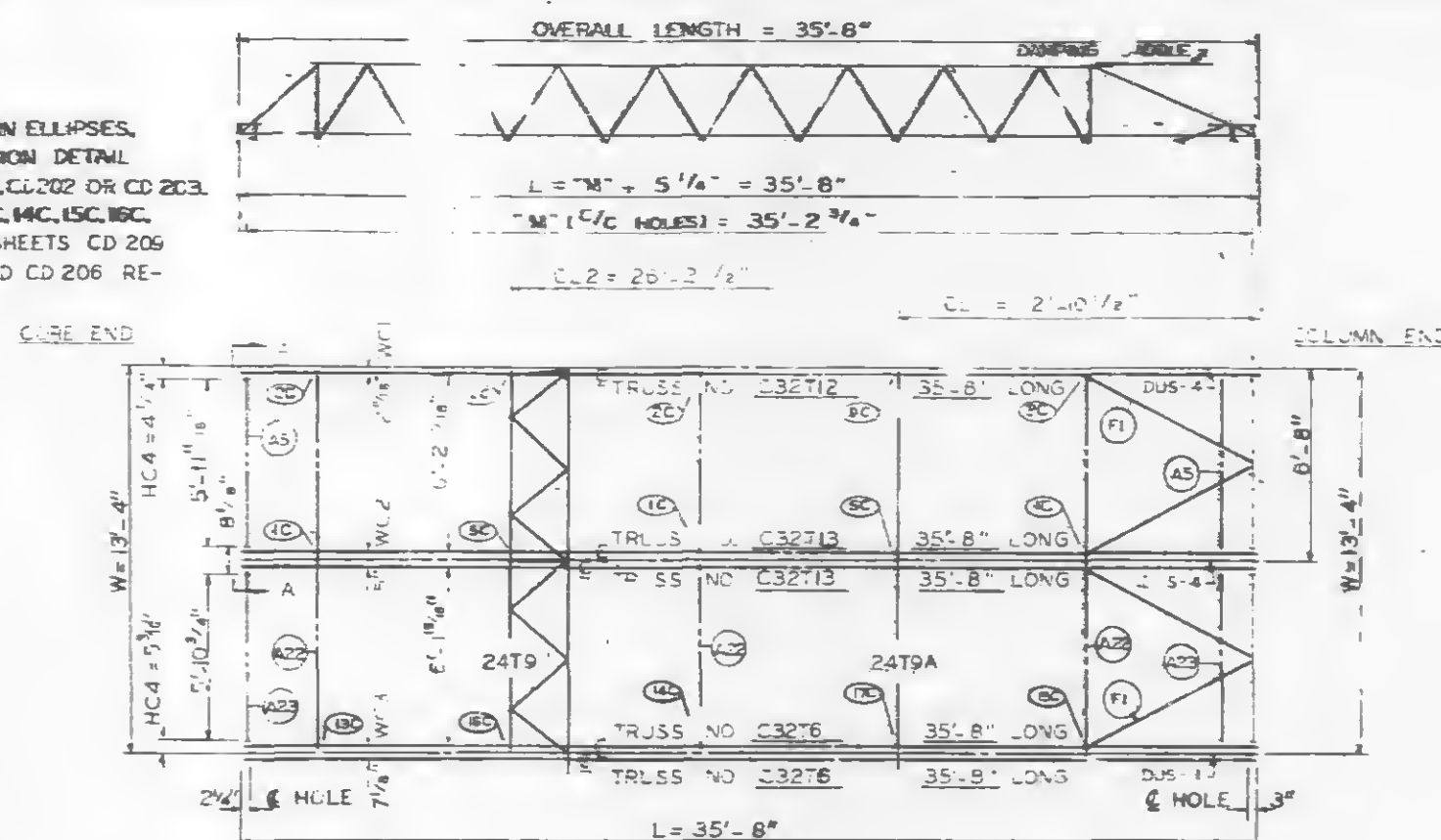


DETAIL A-B

DETAIL A-E

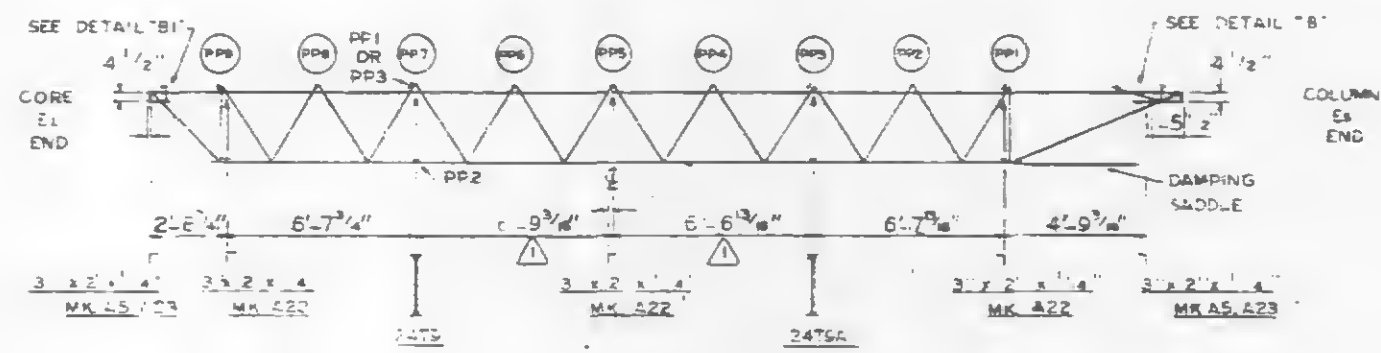
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY		
FLOOR PANEL DETAILS FOR PANELS F8 & FR8.		
FABRICATION BY: LACLEDE STEEL COMPANY		
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-62 & 63	PLATE
APPROVED FOR FABRICATION DATE 4/15/69	DRAWN BY: gdc DATE FEB. 7, 1969	IN CHARGE OF PROD. DEV.
APPROVED FOR FABRICATION DATE	CHECKED BY: T.M. CHURRA DATE FEB. 7, 1969	FABRICATION CONT. NO. WTC 221
DETAIL: LACLEDE STEEL CO.		SHEET NO. FP-F8 3

LETTERS AND NUMBERS IN ELIPSSES, IN (C), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 204, CD 202 OR CD 203. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 205, CD 207, CD 205, CD 208, AND CD 206 RESPECTIVELY.

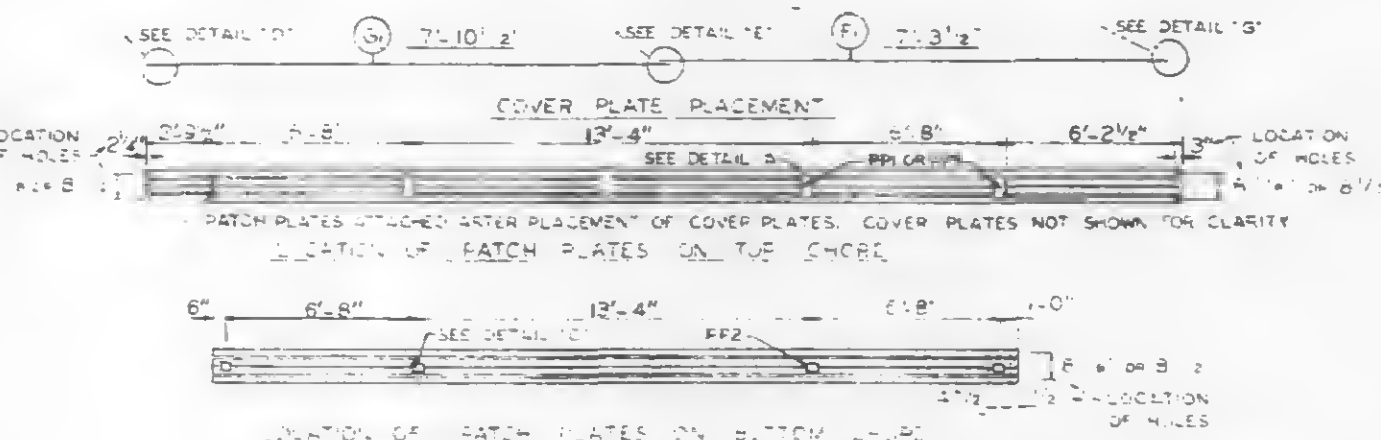


CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

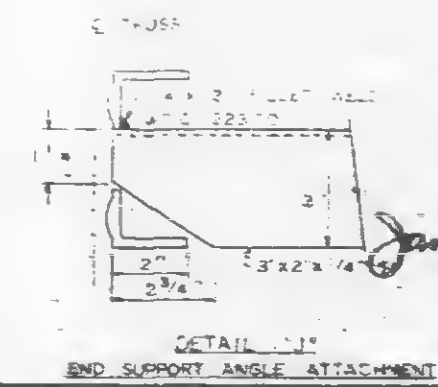
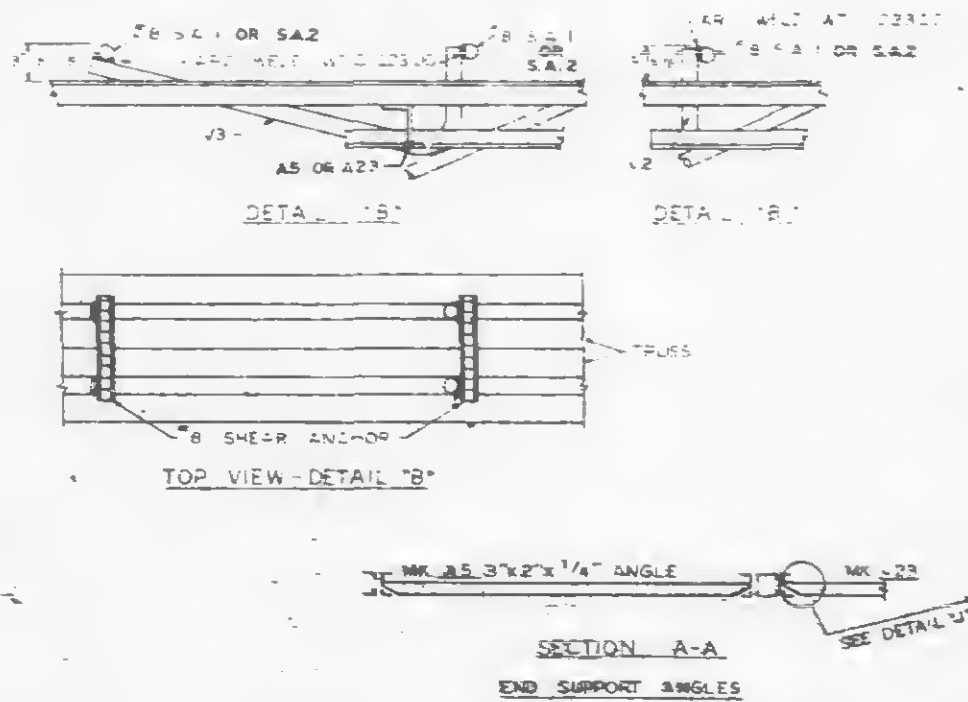
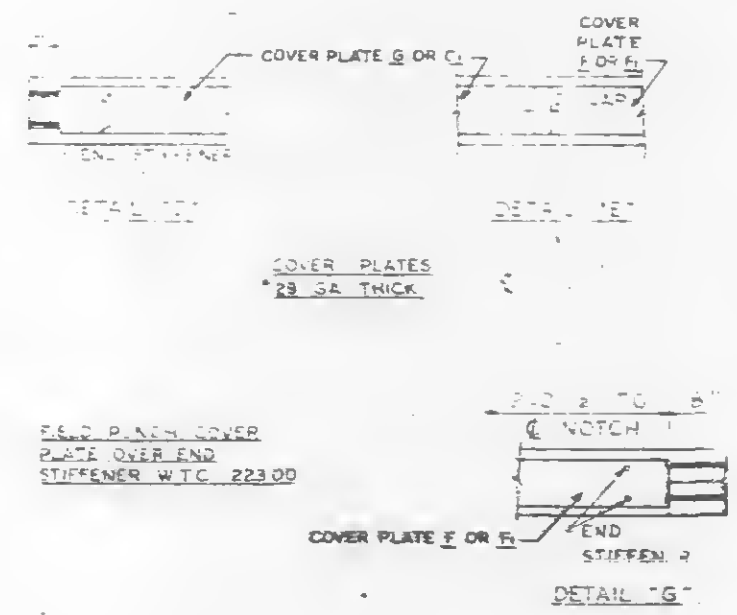
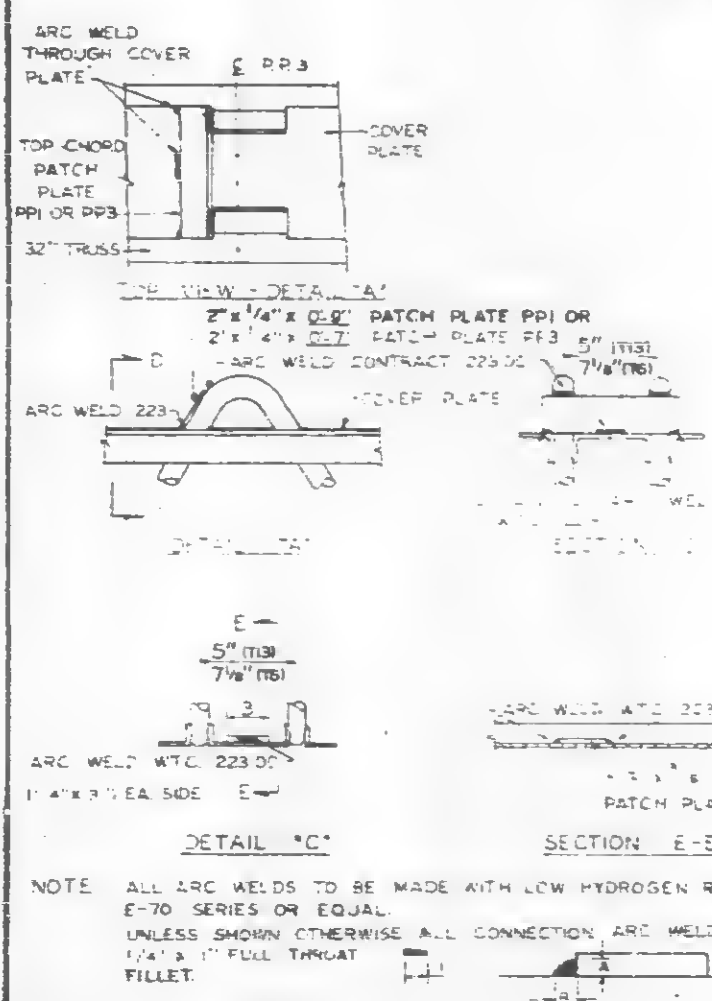
PANEL G1 SIZE 13'-4" x 35'-8"



PATCH PLATE MK. PPI TO BE USED WITH DOUBLE C32T6. PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.



COVER PLATES MK. F1 & G1 TO BE USED WITH DOUBLE C32T13. COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6. SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T13. SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.



REQUIRED MATERIAL PER PANEL				
MATERIAL	QTY	SIZE	W.T.C.	REMARKS
FLOOR TRUSSES	1	24T9	13'-2 1/2"	BT 208
BRIDGING TRUSSES	1	24T9	13'-2 1/2"	BT 208A
3"x2 1/4" ANGLE	2	3"x2 1/4"	5'-10"	ST 405
DIAGONAL FLAT	4	1 1/2"x5 1/2"	5'-8"	ST 402
PATCH PLATES	8	3"x3 1/2"x10'-3"	ST 405	
COVER PLATES	1	7"x105"x17'-10 1/2"	ST 405	
ANGLE CLIPS	2	2"x1 1/2"x4"x6"	ST 405	
SHEAR ANCHOR	2	3"x3 1/2"x10'-3"	ST 405	
DAMPING SADDLE	1	3"x3 1/2"x10'-3"	ST 405	
CONNECTION PLATES	1	7"x105"x17'-10 1/2"	ST 405	
SPECIAL CONNECTION UNITS	1	7"x105"x17'-10 1/2"	ST 405	

NO.	DATE	REVISION
1	2-21-66	AS NOTED

REF. DRWG.	DATE	REVISION
7-AB4.3 & 3.1	1-3-66	
7-AB4.15 & 16	5-9-66	
7-AB4.39-41	1-3-66	
SA-124	10-20-67	
7-AB4.2	1-3-66	
7-AB4.1 & 10	5-10-66	
7-AB4.6	2-15-66	
AB4-42	4-1-66	

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

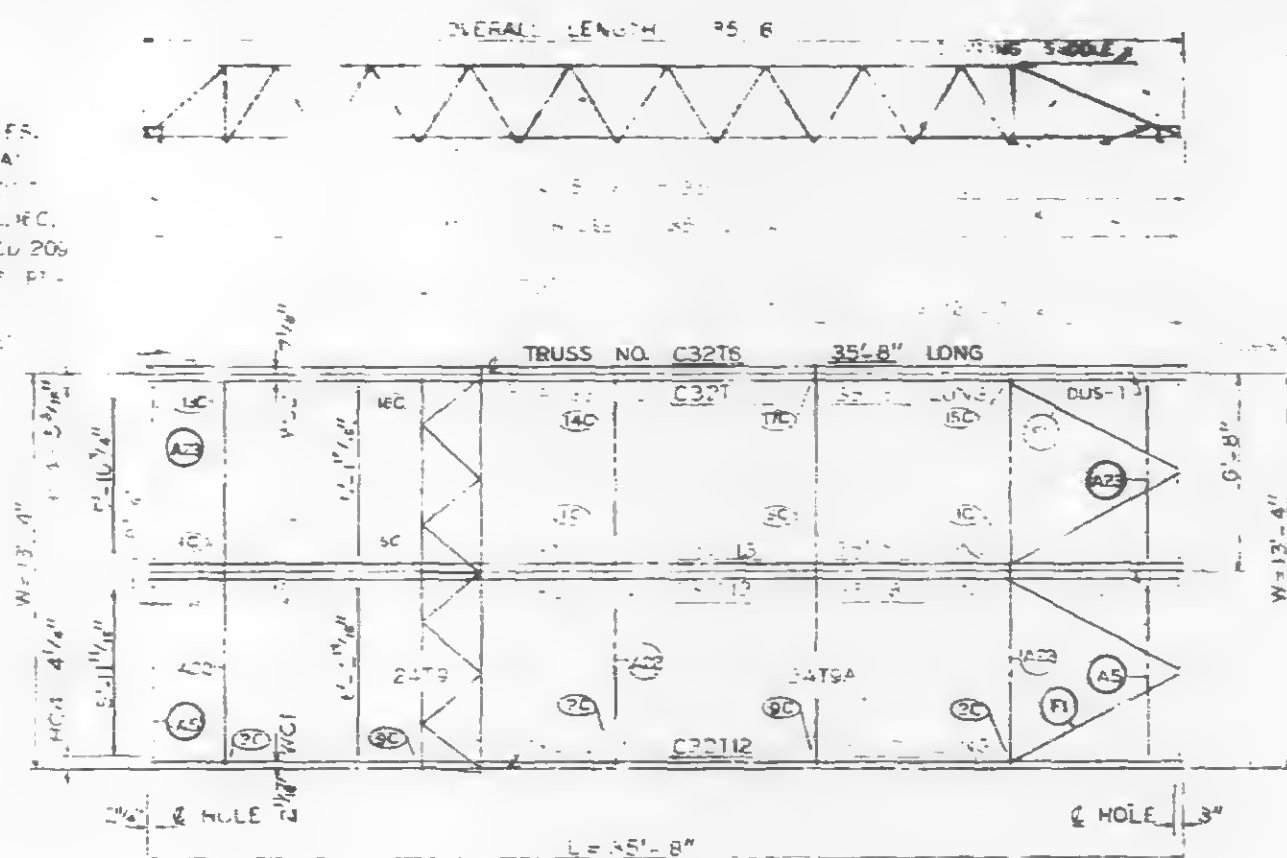
FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 &
92-106 (EAST & WEST) PANEL G1 13'-4" x 35'-8"
45-49 (WEST) 80-83 (EAST)

FABRICATED BY LACED STEEL COMPANY

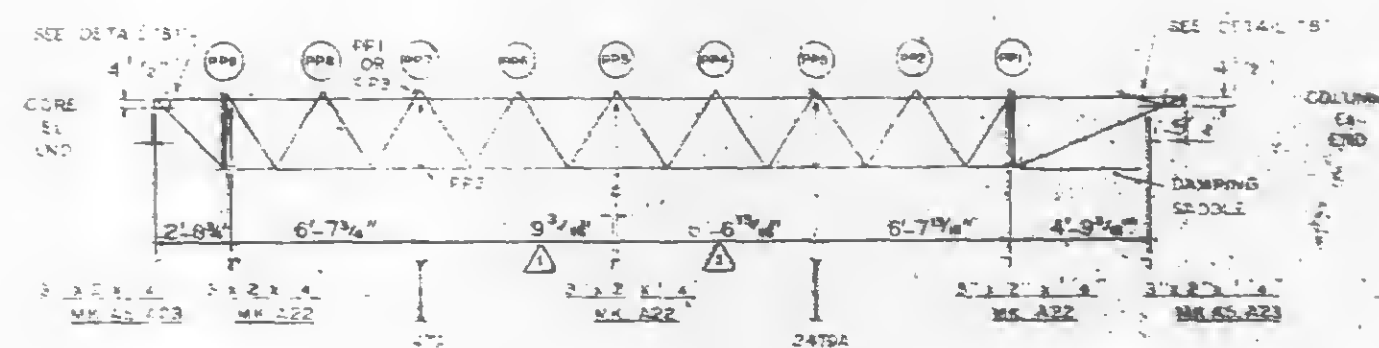
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB4.15	PLATE
APPROVED FOR FABRICATION DATE 5/10/66	DRAWN BY J. C. HENRY	
APPROVED FOR PORTA DATE 5/10/66	CHECKED BY J. C. HENRY	
BY J. C. HENRY	FABRICATION DATE 5/10/66	
DETAILS BY J. C. HENRY	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. 11

NOTE ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

LETTERS AND NUMBERS IN CIRCLES, INDICATE CONNECTION DETAILS SHOWN ON SHEET 70-100. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 206, CD 207, CD 208, CD 209, AND CD 210 RESPECTIVELY.

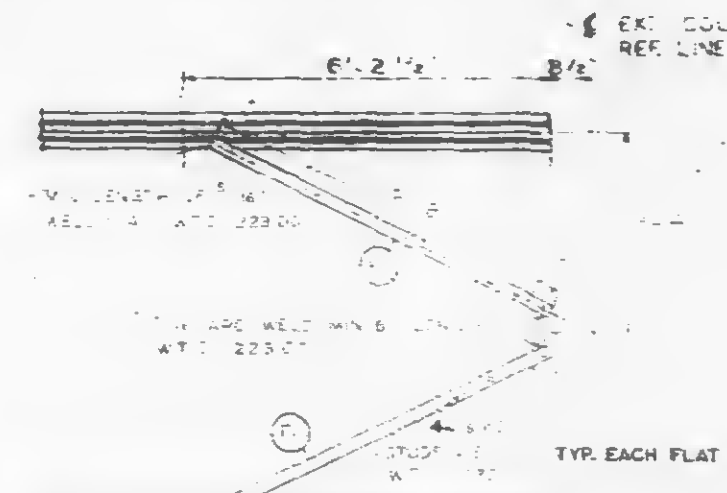


PANEL OF SIZE 13'-4" x 35'-8"



PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T6. PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.

COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T13. COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6. SHEAR ANCHOR MK. SAI TO BE USED WITH DOUBLE C32T13. SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	ST
FLOOR TRUSSES	T8	2	C32T6 - 35'-8"	ST 208
	T9	1	C32T6 - 35'-8"	ST 209
	T10	2	C32T13 - 35'-8"	ST 210
BRACING TRUSSES	T11	1	24" x 13'-2 3/4"	ST 208
	T12	1	24" x 13'-2 3/4"	ST 209
	T13	1	24" x 13'-2 3/4"	ST 210
CLIP ANGLES	A1	1	3" x 2" x 1/2" x 13'-2 3/4"	ST 403
	A2	1	3" x 2" x 1/2" x 13'-2 3/4"	ST 403
	A3	1	3" x 2" x 1/2" x 13'-2 3/4"	ST 403
PATCH PLATES	PP1	4	2" x 13'-4" x 0'-7"	ST 400
	PP2	4	2" x 13'-4" x 0'-7"	ST 400
	PP3	4	2" x 13'-4" x 0'-7"	ST 400
CONNECTION PLATES	C1	1	2" x 13'-4" x 0'-7"	ST 400
	C2	1	2" x 13'-4" x 0'-7"	ST 400
	C3	1	2" x 13'-4" x 0'-7"	ST 400
SPECIAL CONNECTION UNITS	SC1	1	2" x 13'-4" x 0'-7"	ST 400
	SC2	1	2" x 13'-4" x 0'-7"	ST 400
	SC3	1	2" x 13'-4" x 0'-7"	ST 400

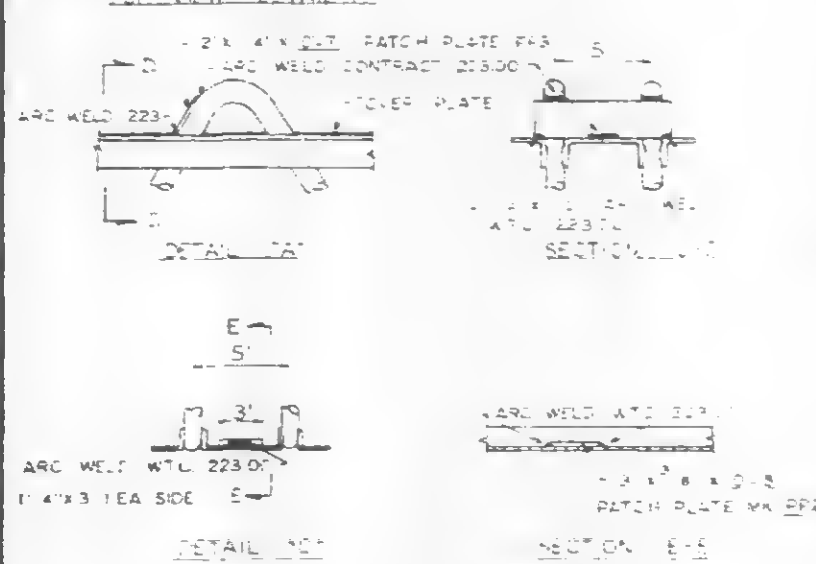
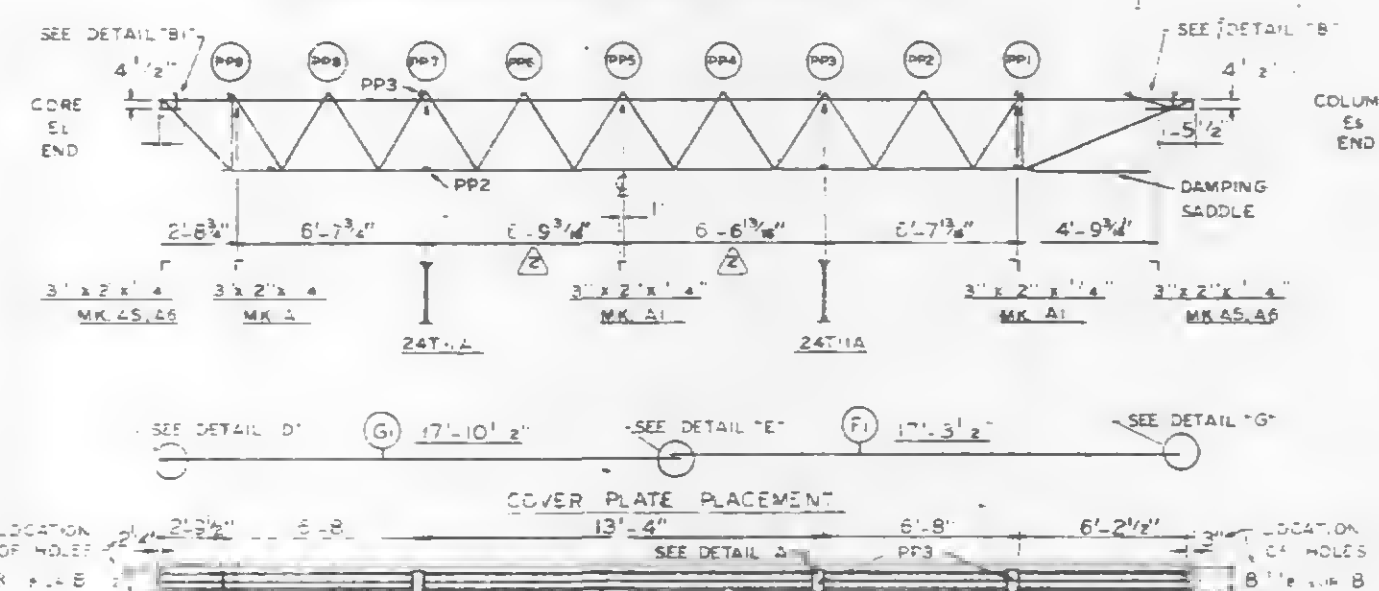
NO.	DATE	REVISION
1	2-21-68	AS NOTED

68-74, 84-91 &
79-83 (WEST) 46-49 (EAST)

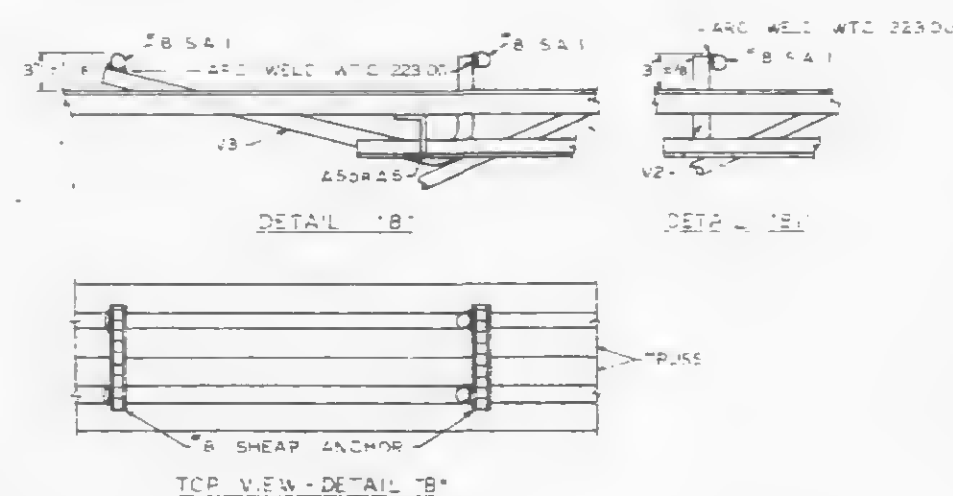
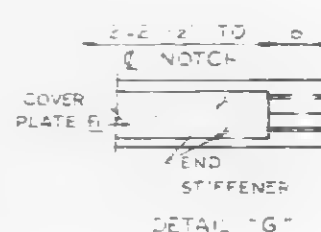
DATE: 2-21-68
DRAWN BY: J. WHITE
CHECKED BY: J. WHITE
DATE: 2-21-68
DESIGNED BY: J. WHITE
DATE: 2-21-68
SHEET NO: FP-GRI

[illegible]

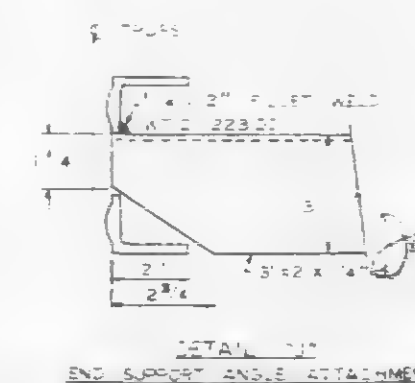
PANEL NO HI SIZE 20'-0" x 35'-8"



FELD PLAIN COVER
PLATE GLASS AND
SCREENER A.T.C. 223.00



SECTION A-A
END SUPPORT ANGLES



6'-2 1/2"

8 1/2"

EXT. CO. REF. LINE

3'-4"

5'-8"

5/16" ARC WELD MIN 6" LONG

5/16" WTC 223.00

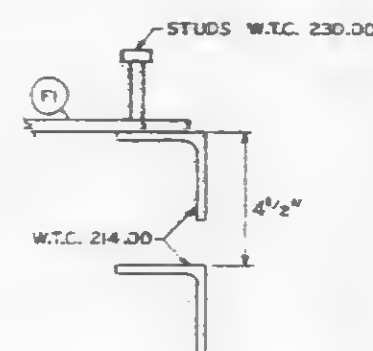
5/16" x 2' 1/2"

STUDS @ 6" O/C TYP. EACH FLAT

4" WTC 223.00

4" WTC 223.00

TYPICAL PLAN OF TOP CHORD COLUMN
END DIAGONAL TRUSS BRACES PLACED
OVER DECK BY W.T.C. 223.00



CLIP ANGLE LOCATION FOR
DIAGONAL FLATS 4' 1" P"
ABOVE COLUMN CLIPS FOR
TRUSS BEARING

REQUIRED MATERIAL PER PANEL				
MATERIAL	AMT	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32TS - 35'-6"	ST 400
BRIDGING TRUSSES	T11A	2	6" x 6" x 19'-11"	ST 400
3"x2"x1/4" ANGLE	A1	3	3"x2"x4"x19'-11"	ST 400
	A5	4	3"x2"x1/4" x 5'-4 3/4"	ST 400
	A6	2	3"x2"x4"x6'-2"	ST 400
DIAGONAL FLATS	F1	6	1 1/2"x5" x 7' 6"-8"	ST 400
PATCH PLATES	PP3	12	2"x1/4" x 0'-7"	ST 400
	PP2	12	3"x3" x 8"x0'-3"	ST 400
COVER PLATES	G1	3	7"x0.035"x17'-10 1/2"	ST 300
	F1	3	7"x0.035"x17'-3 1/2"	ST 300
ANGLE CLIPS	C2	12	2"x2"x1/2"x3/4"x6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3 1/2"x3 1/2"x2"x6"x3'6"	ST 200
CONNECTION BAR	CB1	2	1" x 1" x 3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x3 1/2"x0'-6 1/2"	ST 400
	P2	2	4 1/2"x3.39"x0'-9"	ST 400
	P7	2	6 1/2"x1 1/2"x1'-0"	ST 400

2	2-21-89	AS NOTED	GD
1	10-18-88	MATERIAL LIST	GD
NO	DATE	REVISION	BY

DEF	1-34 3 5 3 1	1-3-68
7 MAG	1-34 5 6 5	5-6-68
	1-34 39-41	1-3-68
	54-54	10-20-68
	1-34 3 2	1-3-68
	1-34 6 2	5-10-68
	1-34 6	2-15-68
	1-34 62	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE CITY OF NEW YORK DEPARTMENT

45-49 (WEST) 80-83 (EAST)

FABRICATION BY LALEDE STEEL COMPANY

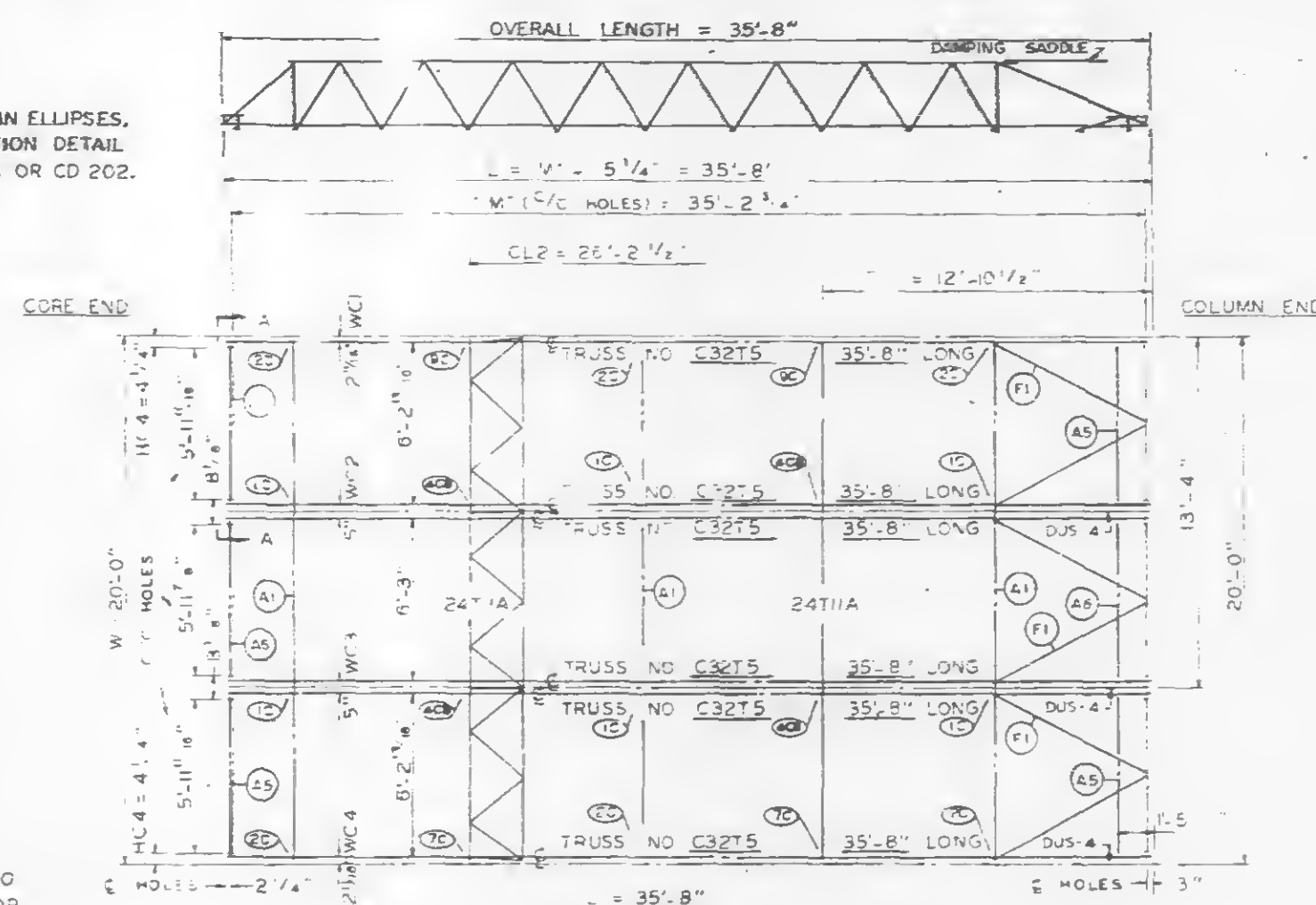
FABRICATED AT	DESIGN DRAWING NO
MADISON, ILLINOIS	7-AB3-17 F40-68 PLATE

APPROVED FOR FABRICATION	DATE	DRAWN BY
<u>W. White</u>	<u>2/28/69</u>	<u>W. B.</u>
FOR CONGR.		DATE APR. 10, 1968

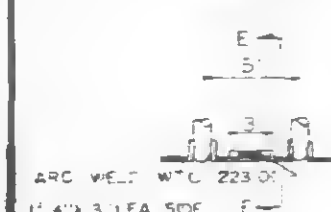
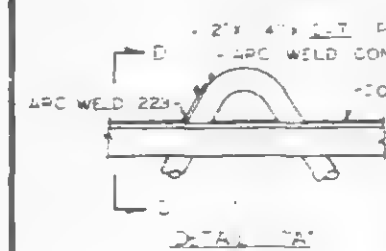
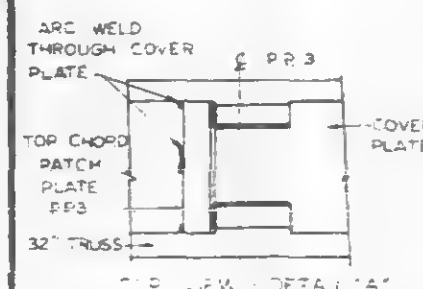
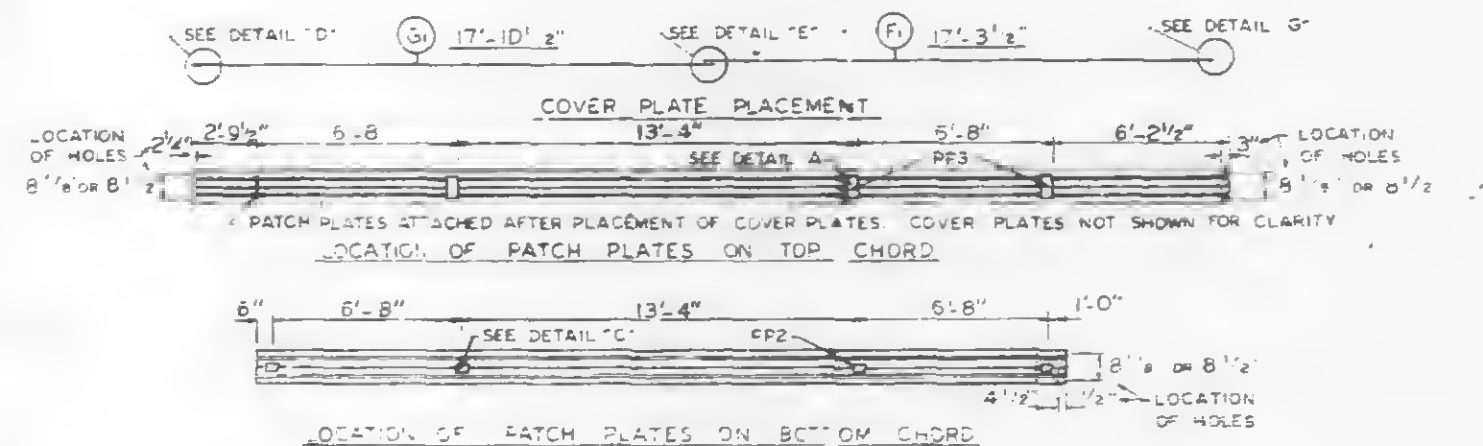
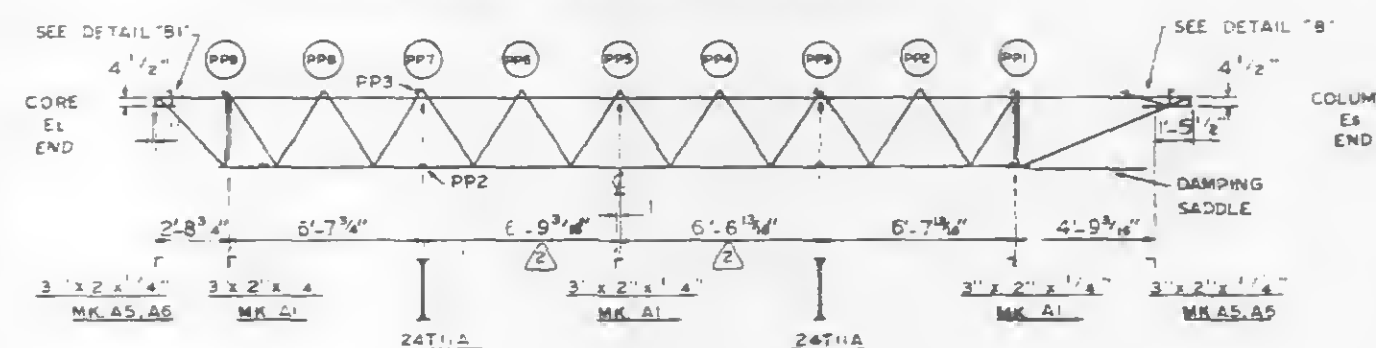
APPROVED FOR FABRICATION	DATE	CHECKED BY: T.M. CHURA
BY _____ FOR FABRICATOR	_____	DATE: APR. 3, 1965

DETAILED FILED

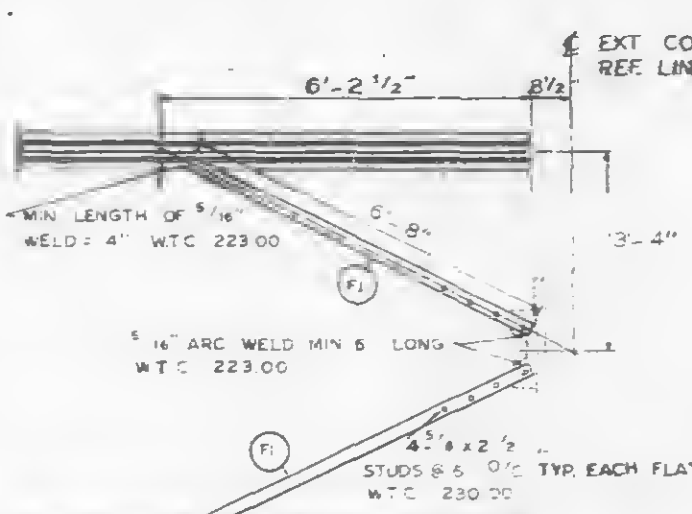
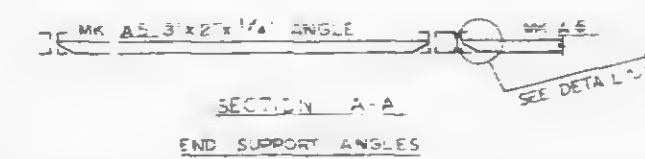
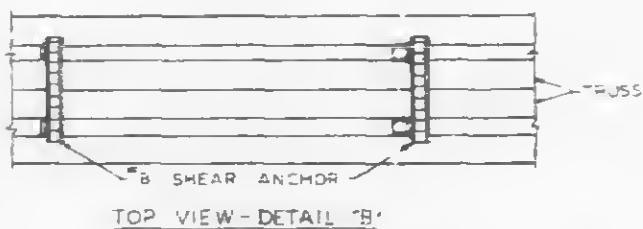
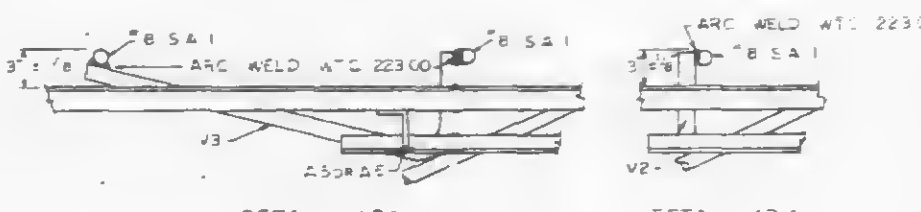
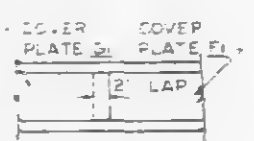
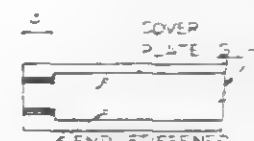
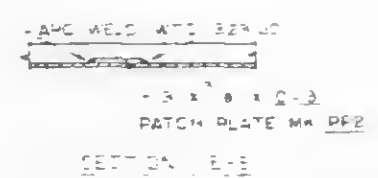
LETTERS AND NUMBERS IN ELLIPSES, INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202.



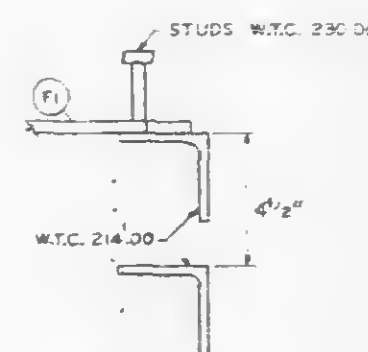
PANEL NO. HRI SIZE 20'-0" x 35'-8"



NOTE: ALL WELDS SHALL BE MADE WITH E70 OR E70X SERIES OR EQUAL UNLESS SHOWN OTHERWISE. ALL CONNECTIONS SHALL BE FULL THROAT FILLET.



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY WTC 223.00



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	QTY	SIZE	DRG.	
FLOOR TRUSSES	15	3" x 2" x 1/4"	ST 33	
BRIDGING TRUSSES	2	2" x 1" x 1/4"	ST 33	
3" x 2" x 1/4" ANGLE	4	3" x 2" x 1/4"	ST 403	
DIAGONAL FLATS	6	1" x 2" x 1/4"	ST 402	
PATCH PLATES	12	3" x 2" x 1/4"	ST 400	
COVER PLATES	12	3" x 2" x 1/4"	ST 400	
ANGLE CLIPS	12	3" x 2" x 1/4"	ST 400	
"B" SHEAR ANCHOR	12	3" x 2" x 1/4"	ST 400	
DAMPING SADDLE	1			
CONNECTION BAR	1			
CONNECTION PLATES	12	3" x 2" x 1/4"	ST 400	

NO.	DATE	REVISION	BY
1	2-21-66	AS NOTED	WTC
2	10-16-66	LIST OF MATERIAL	WTC

REF.	NO.	DATE	REVISION	BY
1	7-AB4.3.5.31	1-3-66		
2	7-AB4.5.5.16	5-6-66		
3	7-AB4.3.5.4	1-3-66		
4	54-24	10-20-67		
5	AB3.2	1-3-66		
6	7-AB1.1.1.12	5-10-66		
7	7-AB.6	2-15-66		
8	7-AB4.22	4-1-66		

THIS PANEL DETAILS
WORLD TRADE CENTER
THE PART OF NEW YORK AUTHORITY

5-13-64 FLOOR 10, 24, 26-42 EAST & WEST AB-4, 50-58, 60-66
68-74 (EAST) PANEL HRI - 20'-0" x 35'-8"

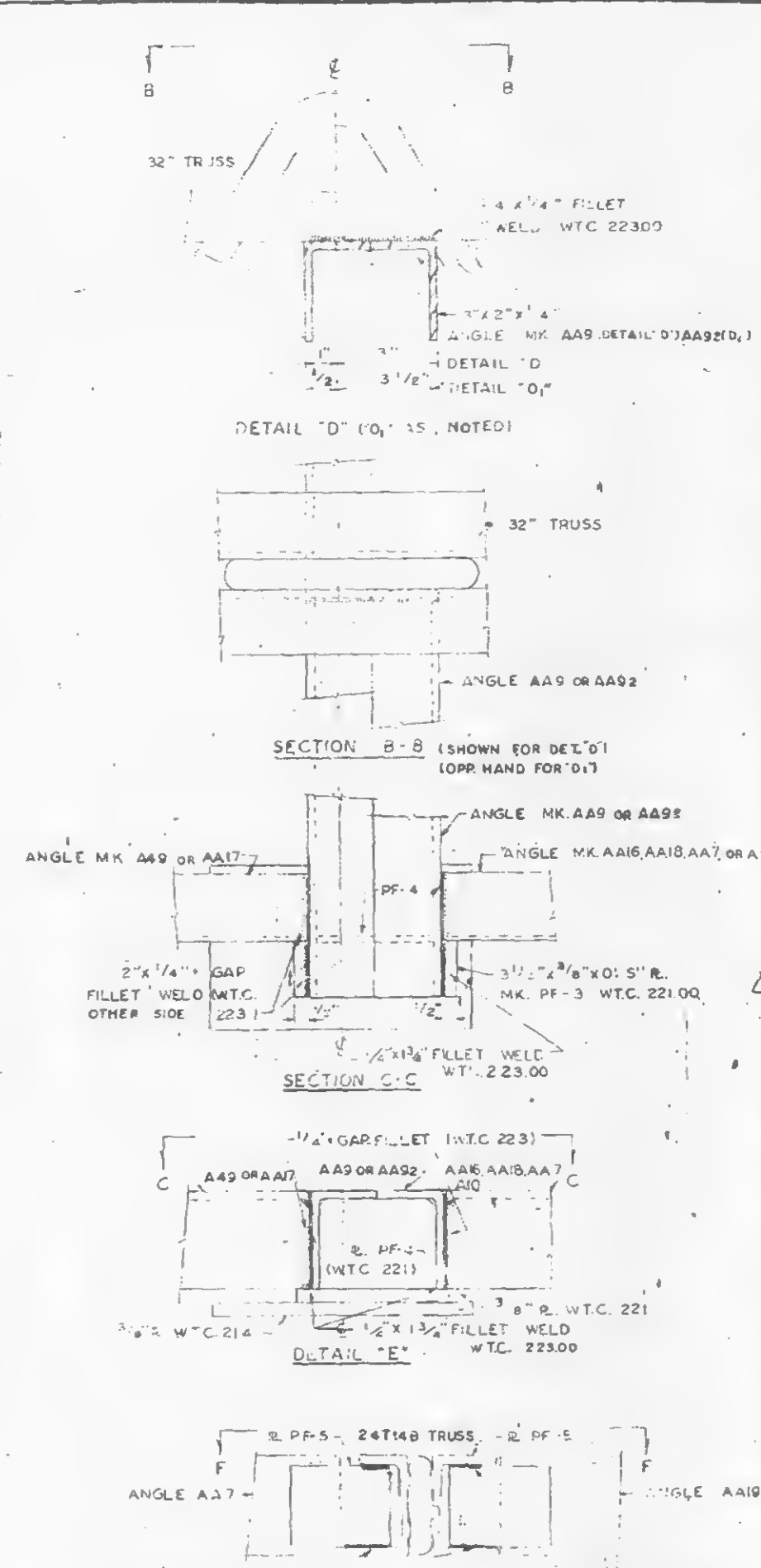
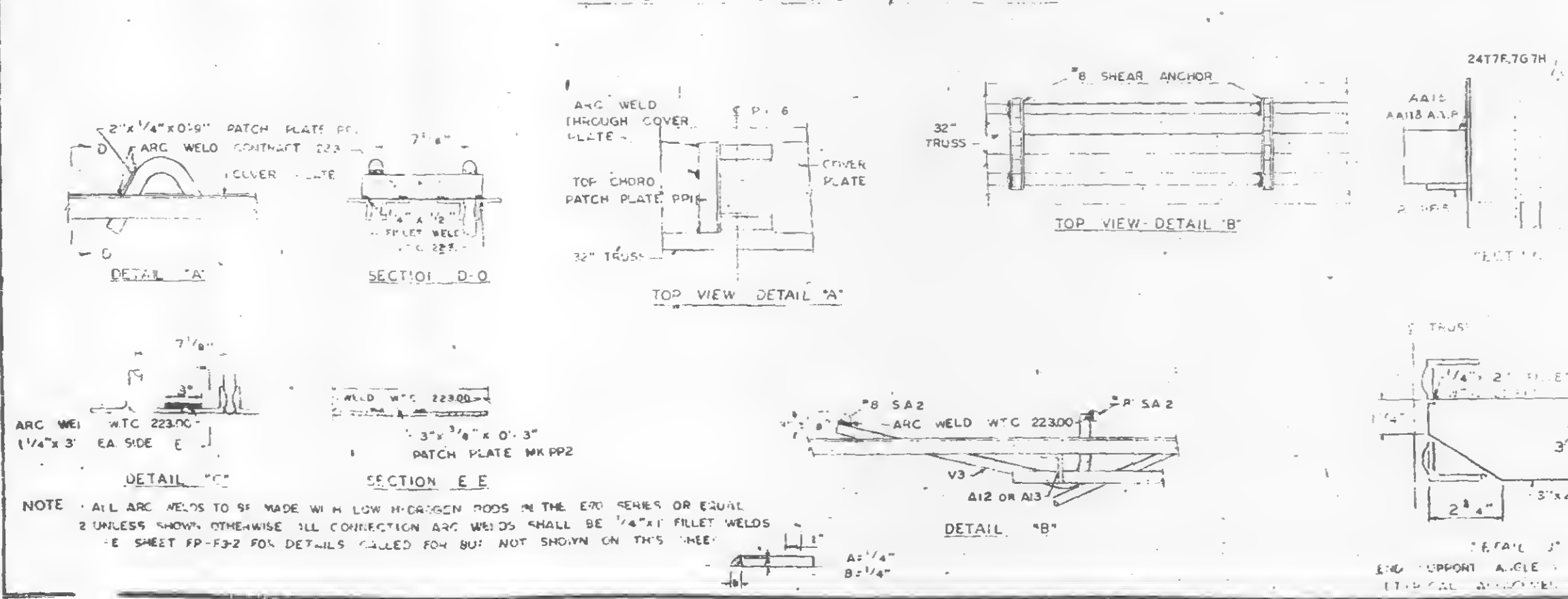
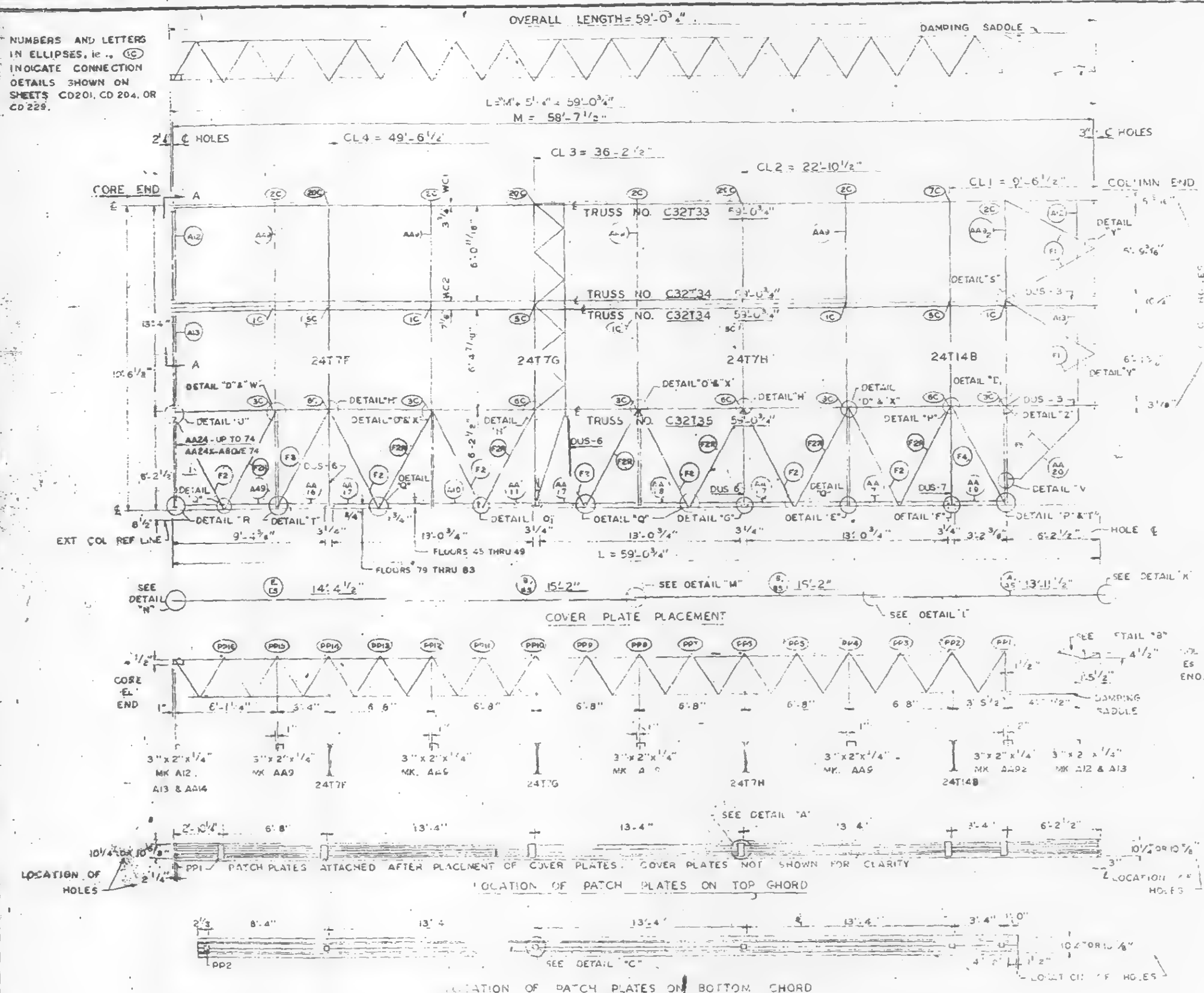
FABRICATED BY LACED STEEL COMPANY

DESIGN DRAWING NO. 7-AB3-18 5-10-66 PLATE

APPROVED FOR FABRICATION DATE 1/28/69 DRAWN BY DATE 1/28/69
APPROVED FOR FABRICATION DATE 1/28/69 CHECKED BY DATE 1/28/69

FABRICATION CONT NO. WTC 221 SHEET NO. FP-HRI

NUMBERS AND LETTERS IN ELLIPSES, IN (C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD201, CD 204, OR CD 228.



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T33	1	C32T33 - 59'-0"	ST 233
	T34	2	C32T34 - 49'-0"	ST 234
	T35	1	C32T35 - 59'-0"	ST 235
BRIDGING TRUSSES	T7F	1	24T7F - 19'-6"	BT 207F
	T7G	1	24T7G - 19'-6"	BT 207G
	T7H	1	24T7H - 19'-6"	BT 207H
	T7I	1	24T7I - 19'-6"	BT 207I
3"x2"x1/4" ANGLES	A10	1	3"x2"x1/4" - 7'-0"	ST 404
	A12	2	3"x2"x1/4" - 11'-0"	ST 404
	A13	2	3"x2"x1/4" - 11'-0"	ST 404
	A14	1	3"x2"x1/4" - 11'-0"	ST 404
	A17	1	SEE REF. DRWG.	ST 404
	A18	1	SEE REF. DRWG.	ST 404
	A19	1	SEE REF. DRWG.	ST 404
	A20	1	SEE REF. DRWG.	ST 404
	A21	1	SEE REF. DRWG.	ST 404
	A22	1	SEE REF. DRWG.	ST 404
ANGLE ASSEMBLY (AA24 IS REPLACED BY AA24K ABOVE PL. 74)	AA24	1	SEE REF. DRWG.	ST 404
	AA24K	1	SEE REF. DRWG.	ST 404
	AA24L	1	SEE REF. DRWG.	ST 404
	AA24M	1	SEE REF. DRWG.	ST 404
	AA24N	1	SEE REF. DRWG.	ST 404
DIAGONAL FLATS	F1	4	1/2"x5/8"x6'-8"	ST 402
	F2	4	1/2"x5/8"x6'-8"	ST 402
	F3	1	1/2"x5/8"x6'-8"	ST 402
	F4	1	1/2"x5/8"x6'-8"	ST 402
	F5	1	1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	6	2"x1/2"x1'-0"	ST 400
	PP2	6	2"x1/2"x1'-0"	ST 400
COVER PLATES	A	1	0"x0.35"x13'-11 1/2"	ST 303
	B	2	0"x0.35"x15'-2"	ST 303
	E	1	0"x0.35"x14'-4 1/2"	ST 303
	AS	1	3/4"x0.35"x13'-11 1/2"	ST 303
	BS	2	3/4"x0.35"x15'-2"	ST 303
ANGLE CLIPS	C2	4	2 1/2"x1 1/2"x1/4"x0'-6"	ST 400
	C1	12	2 1/2"x1 1/2"x1/4"x0'-6"	ST 400
DAMPING SADDLE	DUS-3	1	3/4"x3/4"x3/4"x3'-6 1/2"	ST 298
	DUS-5	1	3/4"x3/4"x3/4"x3'-6 1/2"	ST 298
MISC. PLATES	PF-2	2	1/2"x1/2"x1/2"x0'-4"	ST 400
	PF-3	3	3/4"x3/4"x3/4"x0'-3"	ST 400
CONN ANGLE	C5	1	3"x2"x3/4"x0'-3"	ST 413
	C6	1	3"x2"x3/4"x0'-3"	ST 413
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF. DRWG.	ST 405
	AA21	1	SEE REF. DRWG.	ST 405
B SHEAR ANCHOR	SA2	2	1/2" REBAR x 0'-9"	ST 400
	SA3	2	1/2" REBAR x 0'-9"	ST 400

NO	DATE	REVISION	BY
1	4-6-69	AS NOTED	G.D.C.

REF. DRWG	DATE	BY
7-AB1-30	1-6-69	7-AB1-14, 16
7-AB1-31	1-6-69	7-AB1-15, 16
7-AB1-32	1-6-69	7-AB1-21
7-AB2-9	1-6-69	7-AB1-23, 25
7-AB2-16	1-6-69	7-AB1-29
7-AB2-41	1-6-69	7-AB1-32, 41, 43
7-AB3-51	1-6-69	7-AB1-42
7-AB4-3	10-15-69	7-AB1-45

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

FIG. A FLOORS 78 (NORTH & SOUTH) 44 (NORTH)

PANEL F3 19'-5" x 59'-0"

1 BLDG. B FLOORS 44 & 78 (EAST & WEST)

FABRICATED BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB1-31

PLATE

APPROVED FOR FABRICATION FOR P.Q.N.Y.A. DATE 1/17/69

APPROVED FOR FABRICATION DATE 1/17/69

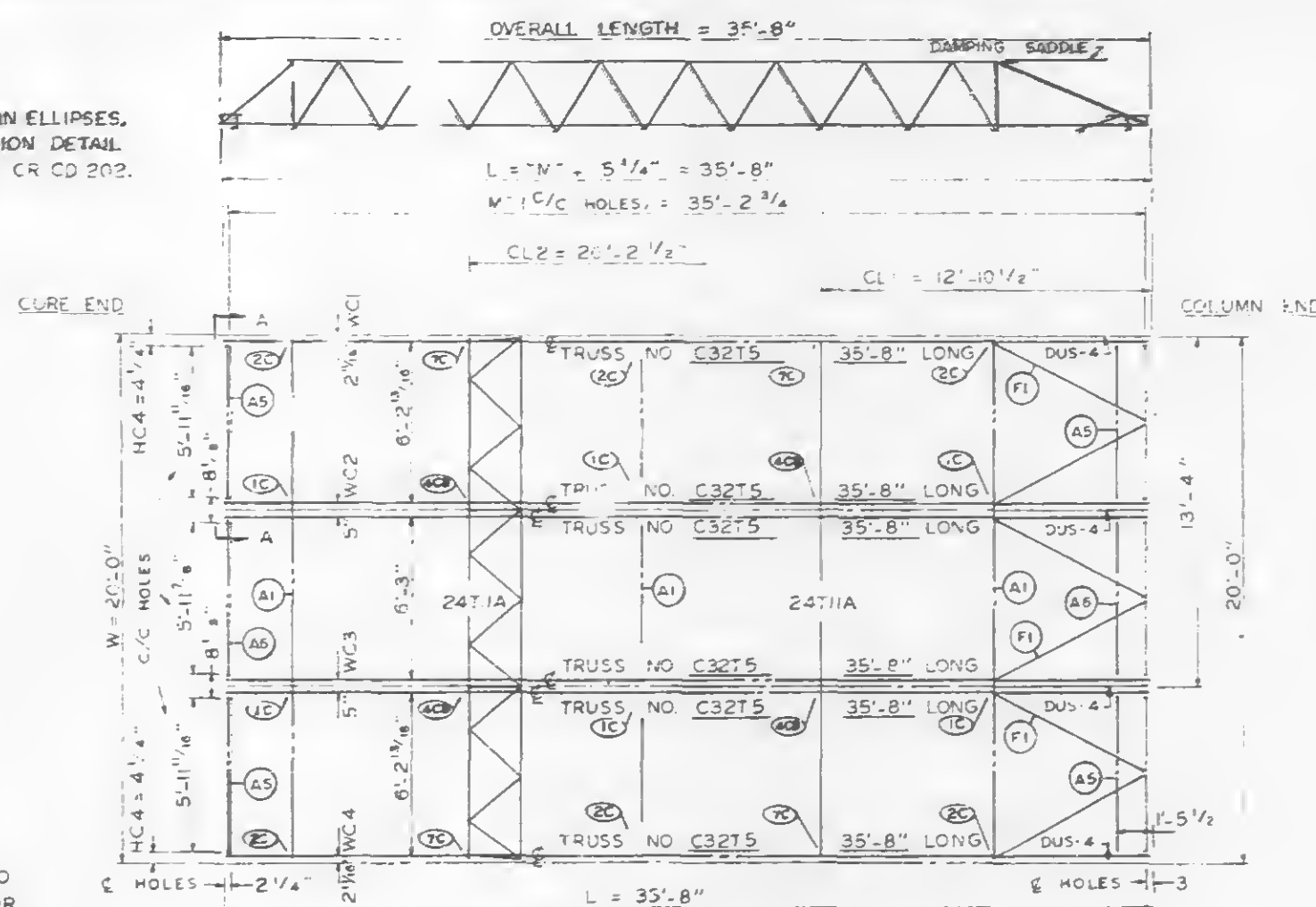
CHECKED BY: T.M. CHURA IN CHARGE OF PROD. DEV.

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-F3

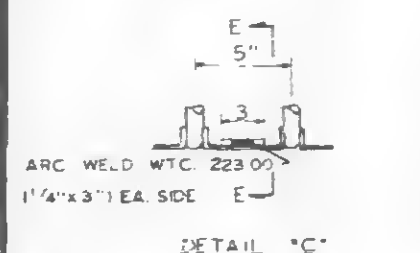
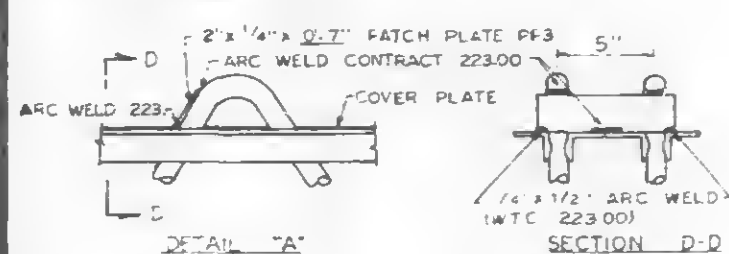
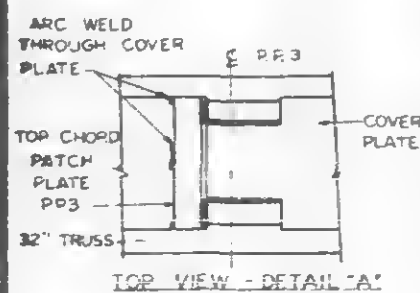
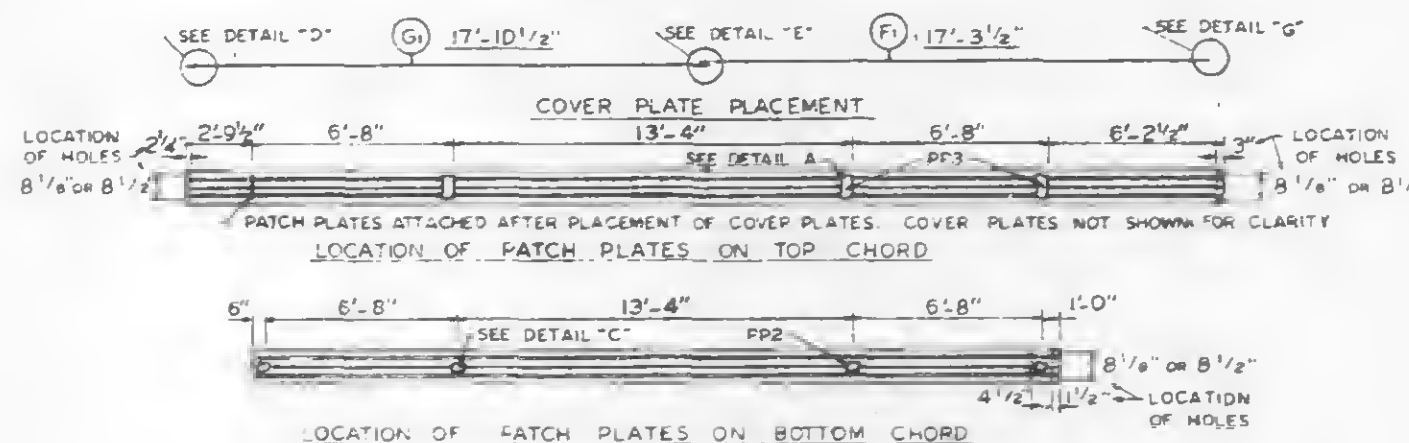
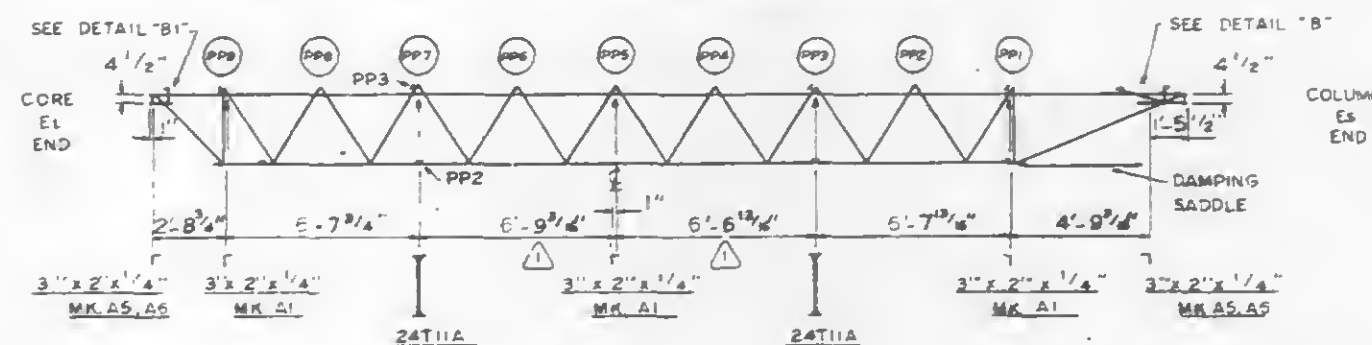
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL UNLESS SHOWN OTHERWISE. ALL CONNECTION ARC WELDS SHALL BE 1/4" AT FILLET WELDS. SEE SHEET PP-F32 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

LETTERS AND NUMBERS IN ELLIPSES, INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202.

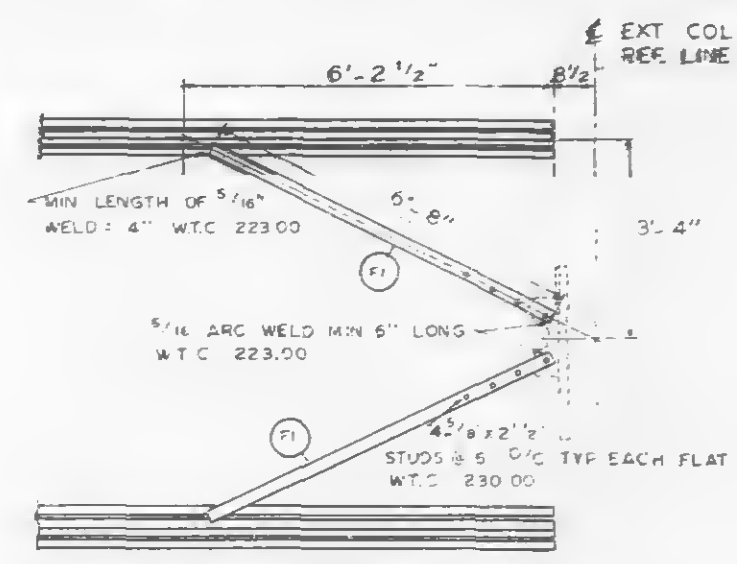
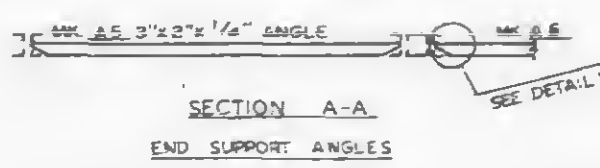
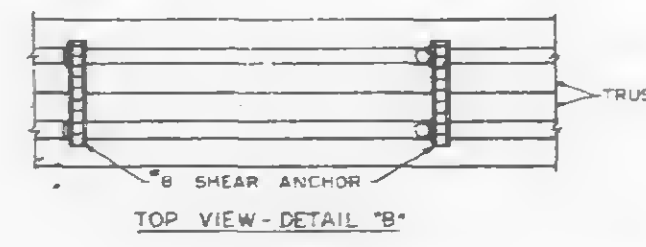
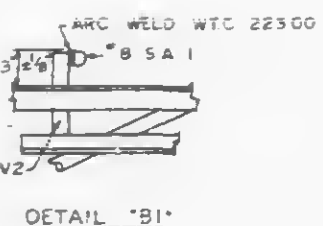
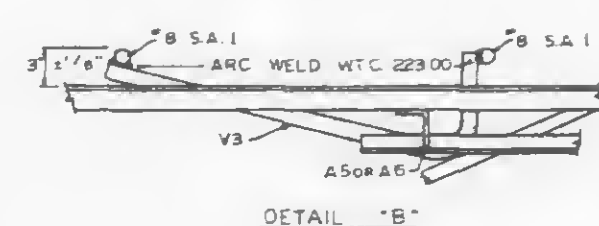
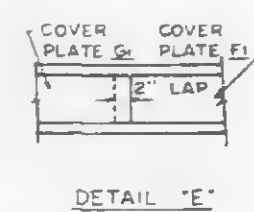
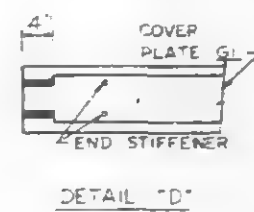


CL & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE CL ON THE COLUMN CLIPS & BRACES.

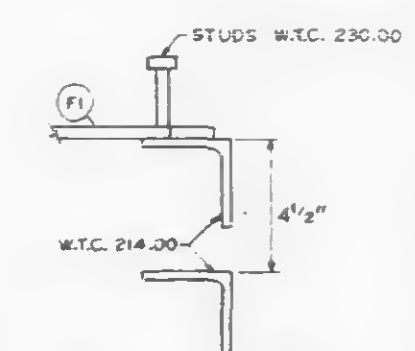
PANEL NO. J1 SIZE 20'-0" x 35'-8"



NOTE ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTIONS SHALL BE 1/4" x 1/4" FULL THROAT FILLET.



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY WTC 223.00



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4'-1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

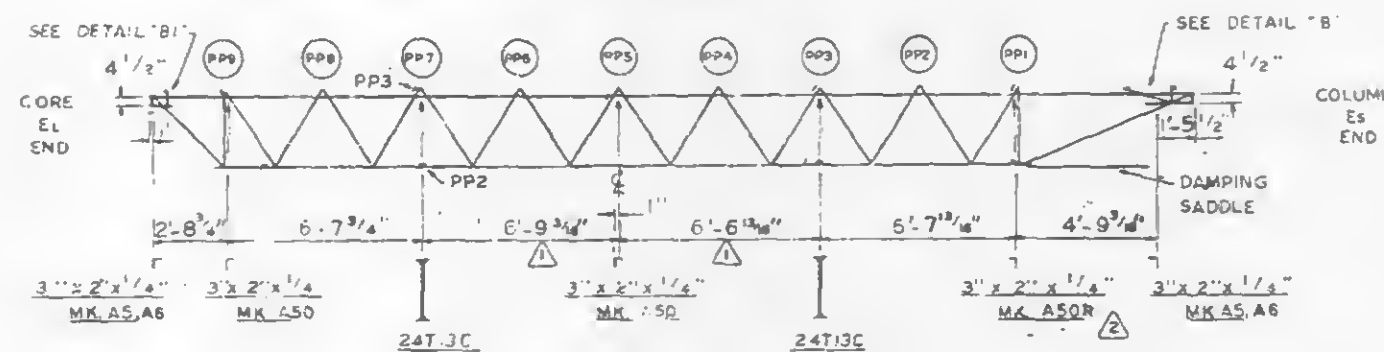
REQUIRED MATERIAL PER PANEL	REF.
MATERIAL	WKT PCS SIZE
FLOOR TRUSSES	T5 6 C32T5 - 35'-8" ST205
BRIDGING TRUSSES	T1A 2 2T1A - 11" BT21A
3"x2"x1/4" ANGLE	A1 3 3"x2"x1/4" ST400
DIAGONAL FLATS	F1 6 1/2"x2"x1/4" ST400
PATCH PLATES	PP3 16 2"x4"x0.7" ST400
	PP2 16 5"x3"x0.5" ST400
COVER PLATES	G1 4 7"x0.35"x17'-10" ST303
	F1 4 7"x0.35"x17'-10" ST303
ANGLE CLIPS	C2 2 2"x1/2"x1/2"x0.7" ST400
8" SHEAR ANCHOR	SA1 12 8" REBAR x 0.7" ST400
DAMPING SADDLE	DUS-4 4 3/4"x3/4"x3/4"x3/4" ST298
CONNECTION BAR	CB1 4 1" x 1'-3" ST400
CONNECTION PLATES	P1 6 3/4"x3/4"x0.6" ST400
	P2 4 4/4"x3/4"x0.6" ST400
	P3 4 4/4"x3/4"x0.6" ST400

NO.	DATE	REVISION	BY
1	2-21-68	AS NOTED	G.D.C.

FLOOR PANEL DETAILS FOR WORLD TRADE CENTER 1100 FOR THE PORT OF NEW YORK AUTHORITY	
BLDG A FLOORS 10-24, 26-40, 50-58, 60-66, 68, 74, 84-91 & 93-106 (EAST & WEST) PANEL J1 20'-0" x 35'-8"	
FABRICATED BY	JACLEDE STEEL COMPANY
DESIGN DRAWING NO.	7-AB3-9 5-10-68
DATE	APRIL 10, 1968
CHECKED BY	J.M. CHURCH
DATE	APRIL 10, 1968
FABRICATED BY	JACLEDE STEEL CO.
DATE	APRIL 10, 1968
DETAILS BY	A.C. WEBER
FABRICATION CONT NO.	WTC 221
SHEET NO.	FR-J1

[illegible]

PANEL NO. MI SIZE 13'-4" x 35'-8"



5"

C32T5

R-3' x 3/4" x 12 1/2" (W.T.C. 226)

3/4" BOLT TYPE W.T.C. 2301

A50

3" C (W.T.C. 226)

1 1/2" HOLE (TYP.)

10"

3"

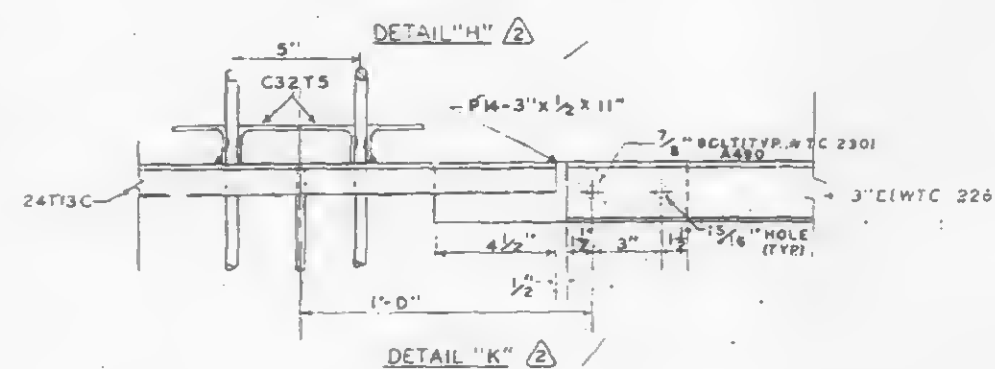
1 1/2"

3"

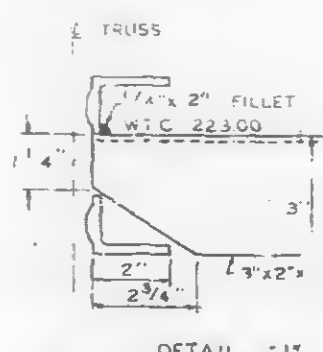
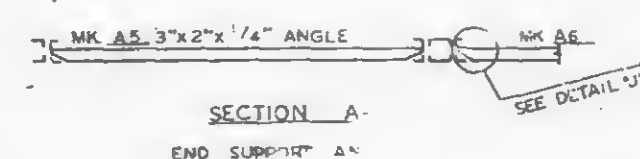
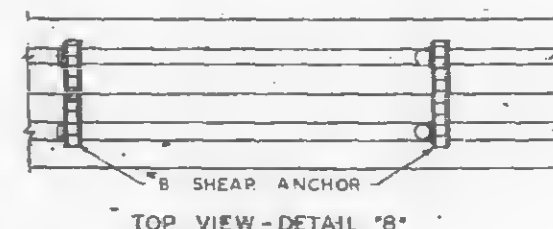
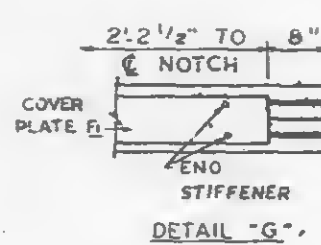
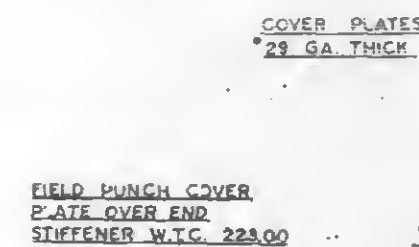
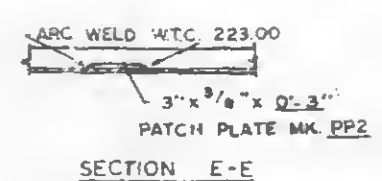
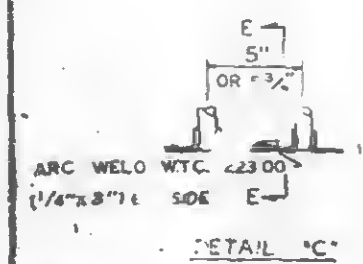
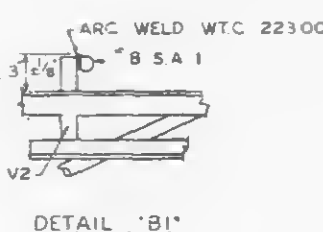
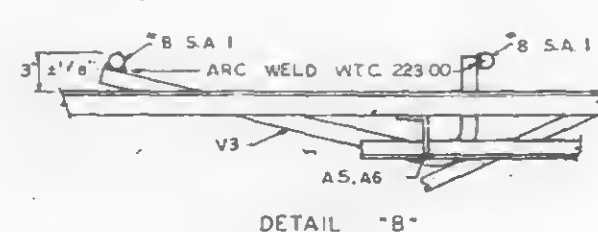
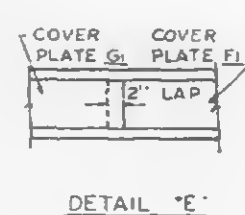
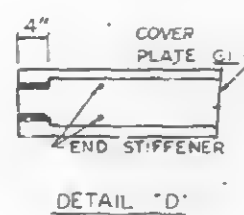
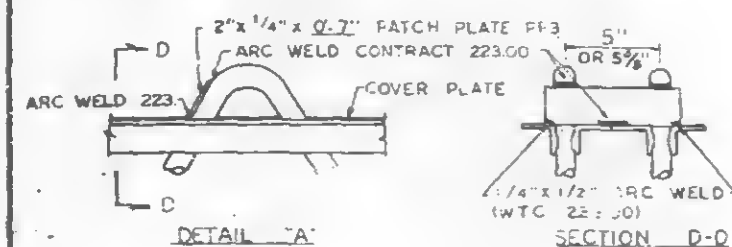
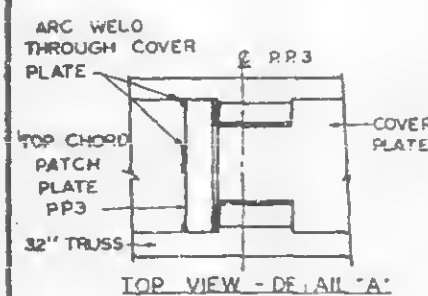
1 1/2"

3"

1 1/2"



REF DRWG	<u>7-A83-22</u>	<u>7-22-88</u>
	<u>7-A84-3 & 31</u>	<u>1-3-88</u>
	<u>7-A84-15 & 16</u>	<u>7-22-88</u>
	<u>7-A84-39-41</u>	<u>7-22-88</u>
	<u>SA-124</u>	<u>1-6-89</u>
	<u>7-A83-2</u>	<u>1-3-88</u>
	<u>7-A81-11 & 12</u>	<u>7-22-88</u>
<u>7-A82</u>	<u>7-22-88</u>	
<u>7-A84-42</u>	<u>10-15-88</u>	



NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUIVALENT. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1" FULL THROAT

REQUIRED MATERIAL PER PANEL				REF--
MATERIAL	MAK	PCS	SIZE	DRWG
FLOOR TRUSSES	TS	5	C32TS - 35'-8"	ST205
BRACING TRUSSES	TI3C	2	2" x 3C - 14'-1 1/2"	BT213C
	(2) A50		3' x 2" x 1/2" x 14'-1 1/2"	ST413
	A50R	1		
3 x 1/4 ANGLE	A5	2	3' x 2" x 1/4" x 6'-13 1/2"	ST403
	A6	2	3' x 2" x 1/2" x 6'-2"	ST403
DIAGONAL PLATS	F1	4	1" 2" x 5" x 6'-8"	ST402
	PP3	12	2" x 4" x 0'-7"	ST400
PATCH PLATES	PP2	12	3" x 5" x 0'-3"	ST400
	G1	3	7" x G35 x 17'-10"	ST303
COVER PLATES	F1	3	7" x G35 x 17'-3"	ST303
ANGLE CLIPS	G2	8	2 1/2" x 1 1/2" x 1/4" x 6"	ST400
# 8 SHEAR ANCHOR	SA1	9	# 8 REBAR 4'-0" - 7'	ST400
DOMING SADDLE	DOUS4	3	3 1/2" x 3' 1/2" x 3' 6" x 3' 6"	ST258
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST400
CONNECTION PLATES	P1	3	3 1/2" x 3' 6" x 0'-6 1/2"	ST400
	P2	2	4 1/2" x .39" x 0'-9"	ST400
	P3	2	4 1/2" x .39" x 1'-0"	ST400
	P4	2	2" x 1" x 0'-11"	ST400

FLOOR PANEL DETAILS

FOR -

WORLD TRADE CENTER - N. Y. C.

FOR

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-49 (WEST), 80-83 (EAST)

PANEL M1 13' 4" x 35' 8"

BLDG. B FLOORS 15-49 (SOUTH), 80-83 (NORTH) 2

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN D-14-117 NO. 7-883-22 PLATE

APPROVED FOR FABRICATION DATE 4/27/69

DRAWN BY B.R.

FOR PONYA DATE 1-29-69

APPROVED FOR FABRICATION DATE

CHECKED BY T.M. CHURA

DATE 1-29-69

BY

FABRICATION CONT. NO.

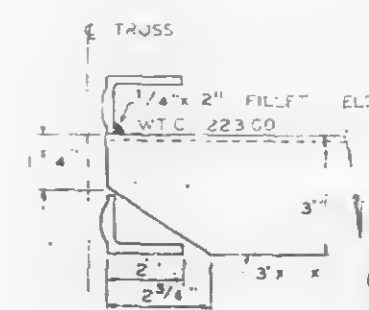
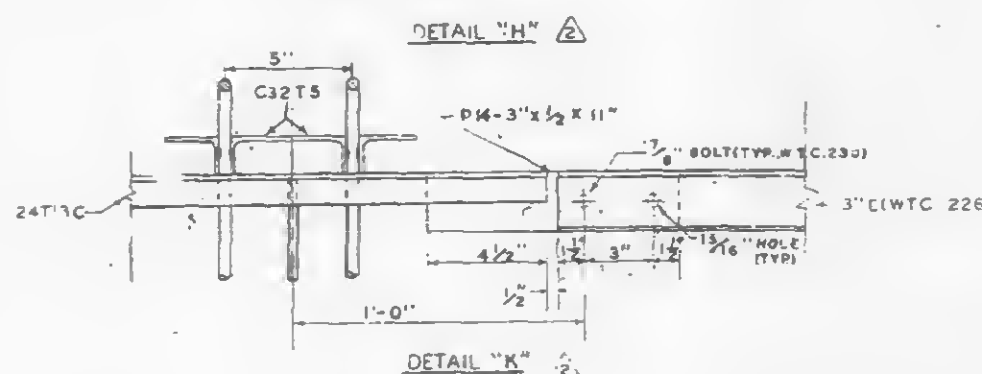
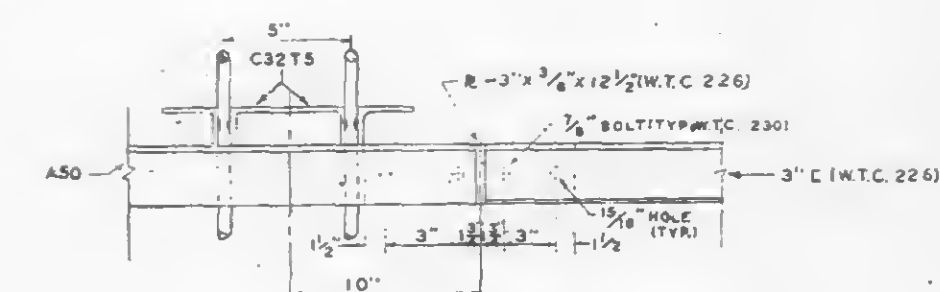
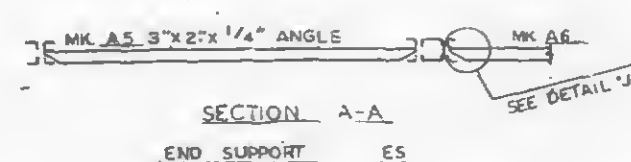
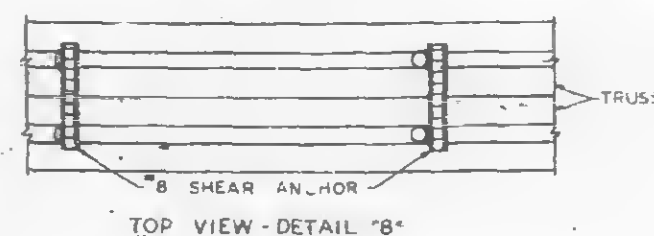
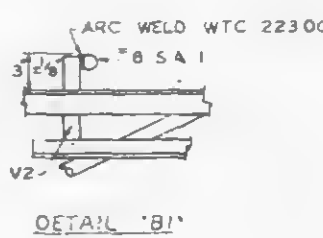
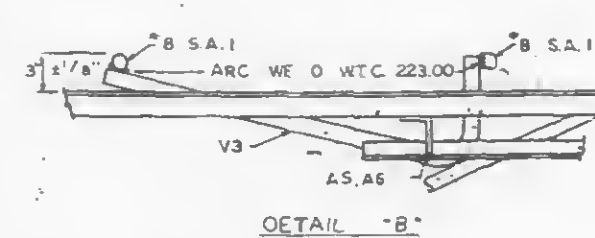
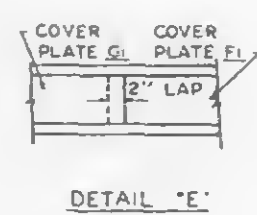
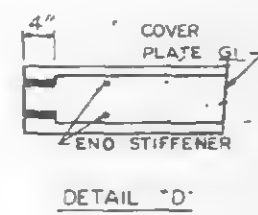
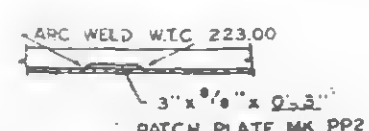
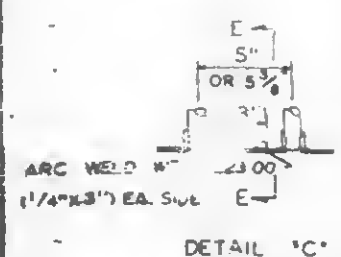
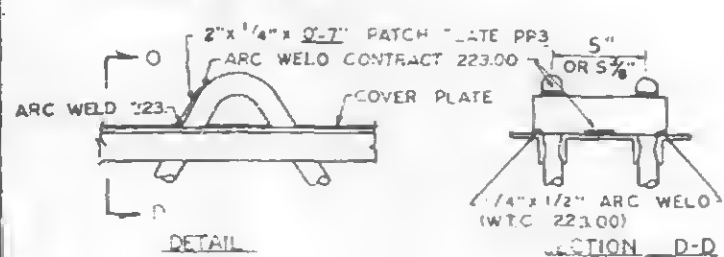
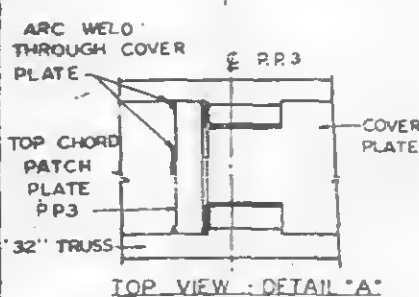
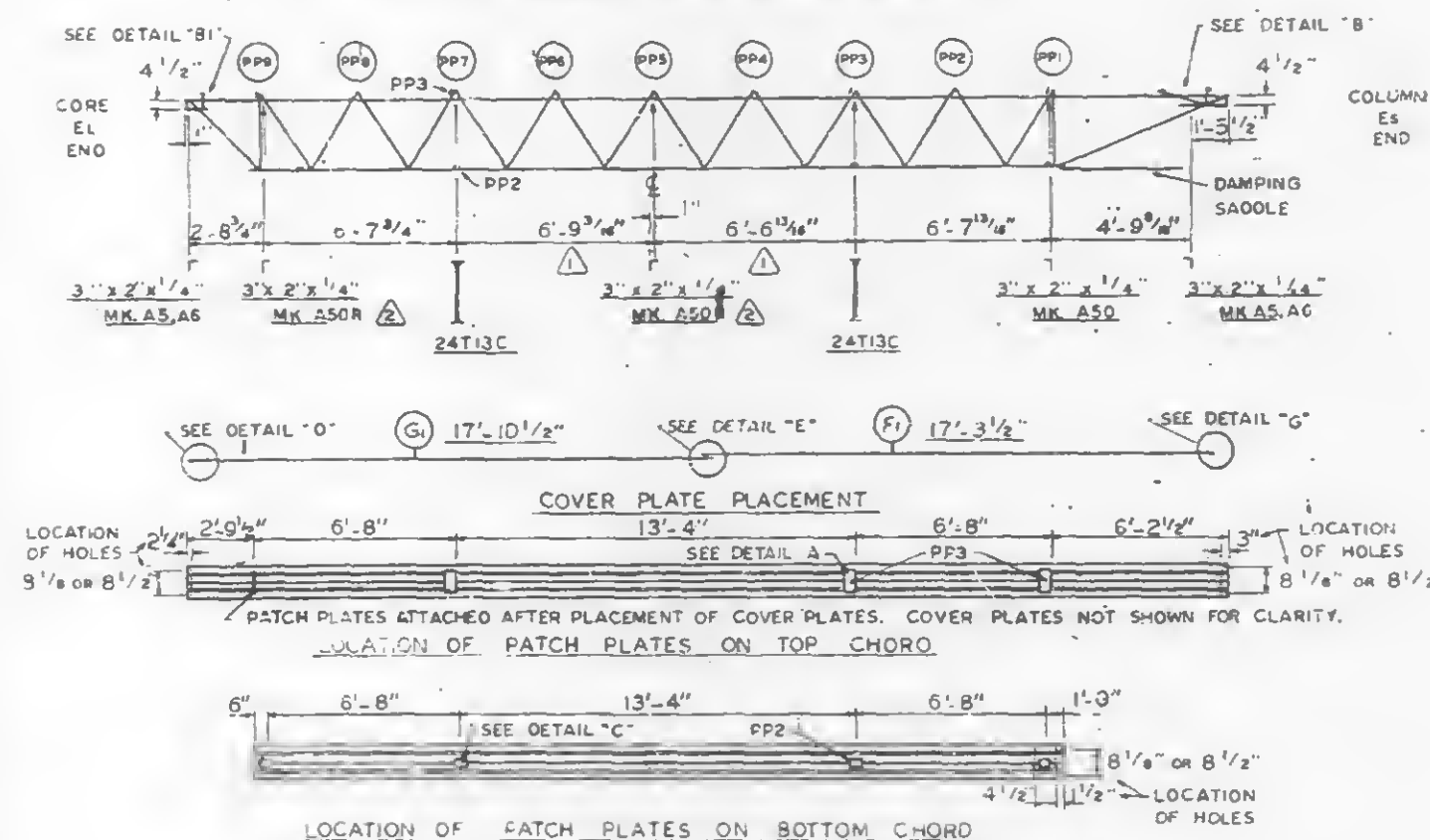
W.T.C. 221

SHEET NO. 1

FP-M1

[illegible]

PANEL NO. MRI SIŽE 13'-4" x 35'-8"



REQUIRED MATERIAL PER PANEL	REF.
MATERIAL	MK PCS SIZE DRWG
FLOOR TRUSSES	T5 5 C3T5 - 35'-8" ST205
BRIDGING TRUSSES	T13C 2 2T13C - 14'-1 1/2" ST213C
3"x2"x 1/4" ANGLE	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">A</div> <div> ASO 1 3"x2"x 1/4"x14'-1 1/2" ST413 A5 2 3"x2"x 1/4"x6'-11 3/4" ST403 A6 2 3"x2"x 1/4"x8'-2" ST403 </div> </div>
DIAGONAL FLATS	F1 4 1'-12"x5'-8"x6'-8" ST4C2
PATCH PLATES	PP3 12 2"x1 1/8"x0'-7" ST400 PP2 12 3"x3 1/2"x0'-3" ST400 G1 3 7"x0'35"x17'-10 1/2" ST303 F1 3 7"x0'35"x17'-3 1/2" ST303
COVER PLATES	
ANGLE CLIPS	C2 8 1/2"x1 1/2"x1 1/4"x8" ST400
#8 SHEAR ANCHOR	SA1 0 #8 REBAR x0'-7" ST400
DAMPING SADDLE	DUS-4 3 3 1/2"x3'-2"x3'-6"x3'-6" ST29
CONNECTION BAR	CB1 2 1"Ø x1'-3" ST400
CONNECTION PLATES	P1 3 3 1/2"x3 1/4"x0'-6 1/2" ST400 P2 2 4 1/2"x1.39"x0'-9" ST400 P3 2 4 1/2"x1.39"x1'-0" ST400 P4 2 3 1/2"x1.39"x0'-11 1/2" ST400

2	4-18-69	AS NOTED	1
1	3-11-69	AS NOTED	1
NO	DATE	REVISION	

REF DRWG	7-A83-23	7-22-68
	7-A84-3 & 31	1-3-68
	7-A84-15 & 16	7-22-68
	7-A84-39-41	7-22-68
	SA-124	1-6-69
	7-A83-2	1-3-68
	7-A81-11 & 12	7-22-68
	7-A82-	7-22-68
	7-A84-42	10-15-68


NOTE. ALL ARC WELOS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-TO SERIES OR EQUAL.

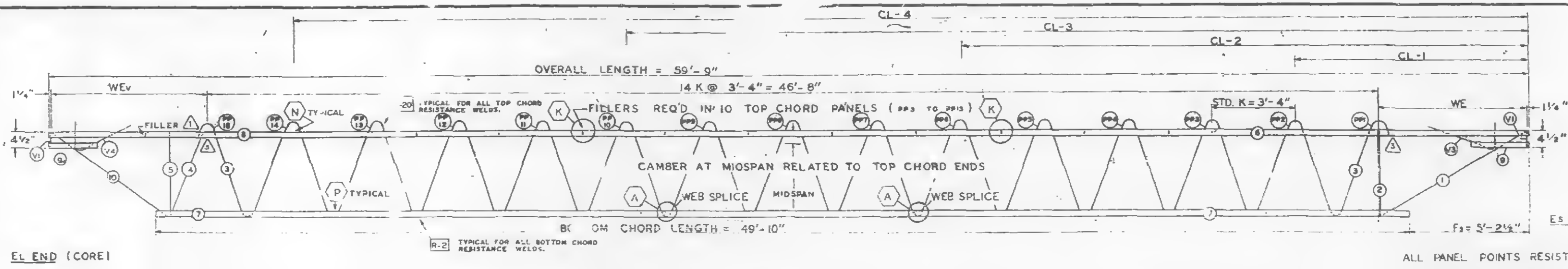
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELOS SHALL BE 1/4" X 1" FULL THROAT

11' 11"

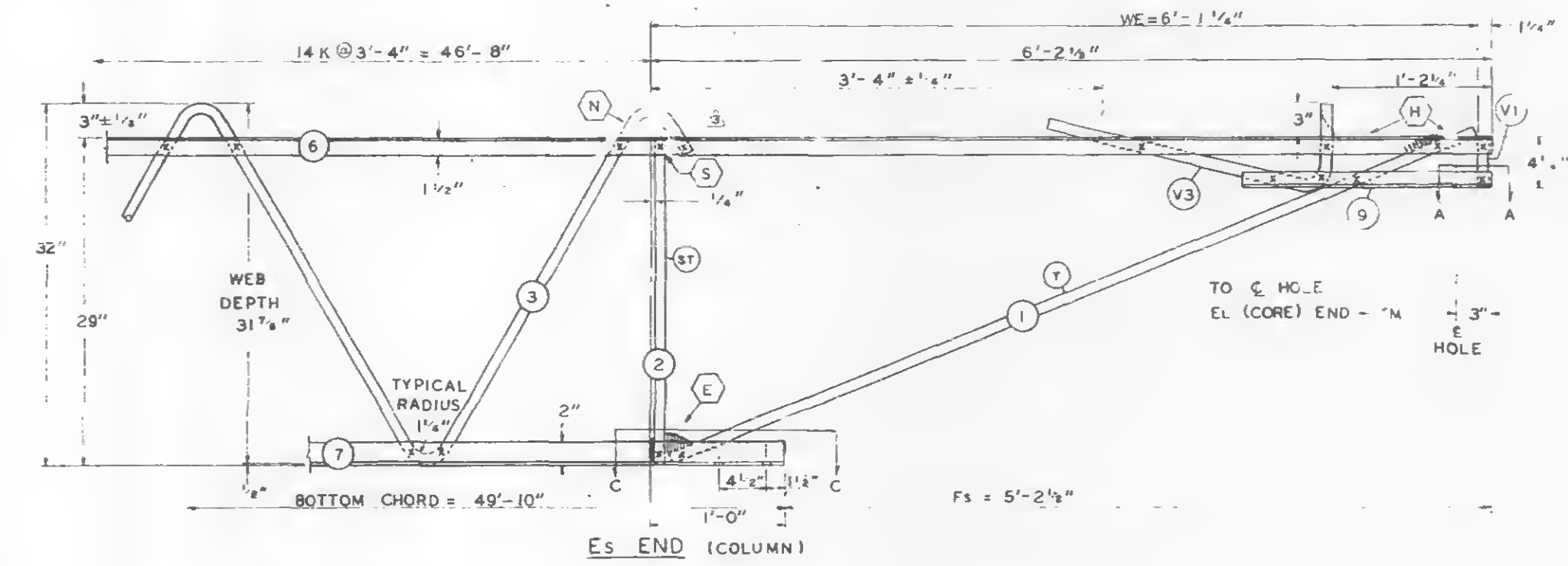
A

A: 1/4"

FLJOR PANEL DETAILS			
FOR			
WORLD TRADE CENTER - N.Y.C.			
FOR			
THE PORT OF NEW YORK AUTHORITY			
BLDG. A FLOORS 46-49 (EAST), 70-83 (WEST)			
PANEL M R I - 13'-4" x 35'-8"			
BLDG. B FLOORS 45-49 (NORTH) 79-83 (SOUTH) 			
FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. T-ASB-23 PLATE	
APPROVED FOR FABRICATION DATE <i>1-29-80</i>	CHECKED BY <i>J.M. CHURA</i>	DATE <i>1-29-80</i>	
APPROVED FOR FABRICATION DATE	CHECKED BY	DATE	
OBTAINED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	
		SHEET NO. 1 FP-MB-1	



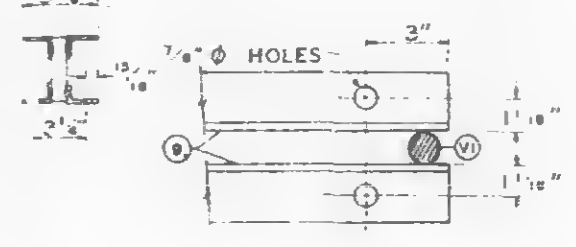
FABRICATION REQUIREMENTS		
	DESIGN	TOLERANCE
CAMBER AT MIDSPAN	2"	± 1/4"
DESIGN DEPTH	26"	± 1/4"
PANEL "K"	3'-4"	± 1/4"
OVERALL LENGTH	59'-9"	± 3/8"
WEB DEPTH	31"	± 1/4"



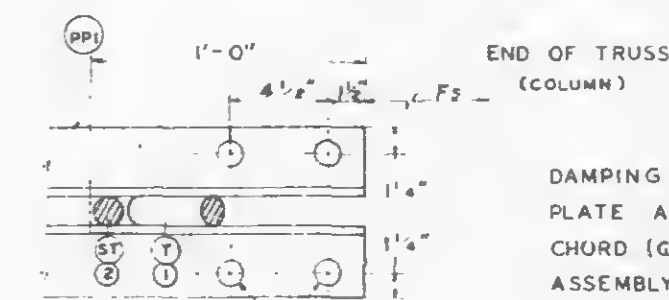
TRUSS ELEVATION

ALL PANEL POINTS RESISTANCE WELDED (x).
ARC WELDS INDICATED AT SHADED AREAS
AND AT BOTTOM CHORD WEB SPLICES (MIN).
ALL WELD DETAILS SHOWN ON SHEETS ST290
AND ST291.

SEE SHEET ST295 FOR V1, V3, & V4 DETAILS.
LETTERS IN HEXAGON INDICATE WELD DETAIL, i.e., (A).
LETTERS AND NUMBERS IN SQUARES INDICATE RE-
SISTANCE WELD STRENGTH IDENTIFIED IN THE
QUALITY CONTROL PROGRAM, i.e., (R-2).

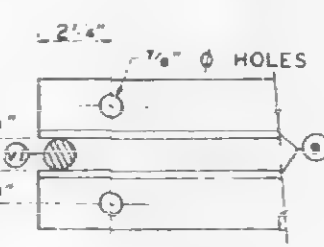
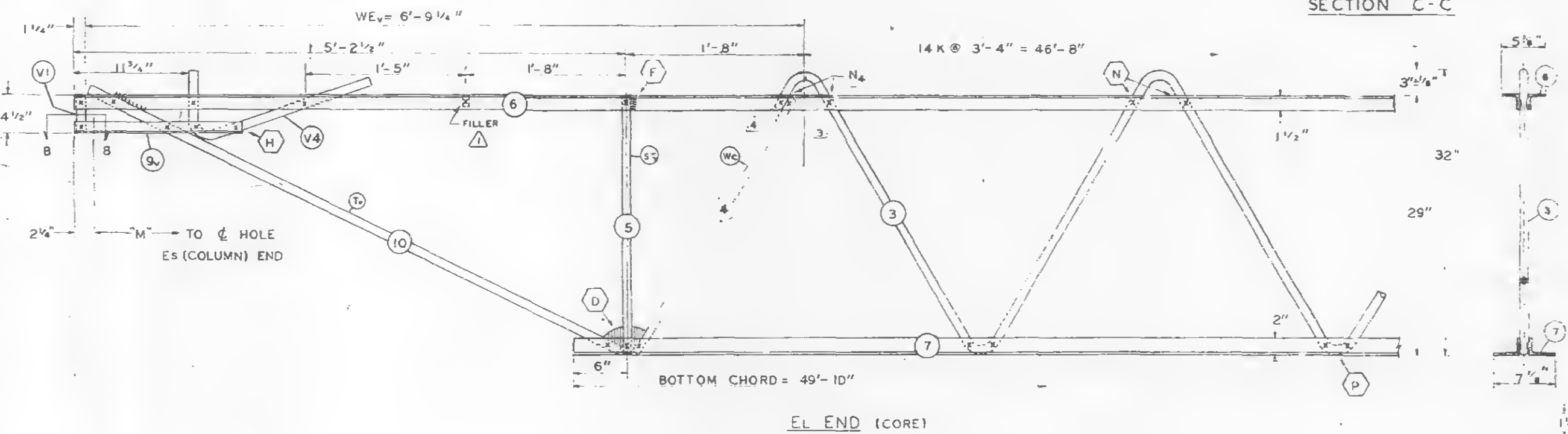


SECTION A-A



SECTION C-C

DAMPING UNIT CONNECTION
PLATE ATTACHED TO BOTTOM
CHORD (COL. END) IN FIELD.
ASSEMBLY BY CONTRACT WTC 223.D0.



SECTION B-B

NO.	DATE	REVISION	BY
1	12-8-68	AS NOTED	G.D.C.
2	10-7-68	AS NOTED	G.D.C.
3	6-22-68	CAMBER, REF. DRWG. DATE	T.M.C.
4	3-12-68	FILLER AND WELD DETAIL	J.R.P.

REF. DRWGS.	DATE	BY
7-AB-2	7-22-68	
7-A91-52	2-15-68	
7-AB4-5D	8-1-68	
7-AB3-2	1-3-68	
7-AB4-5D.5	10-20-67	
7-AB1-53	7-22-68	

PAINT
LACLEDE ELECTROCOAT
RED NO. 10001

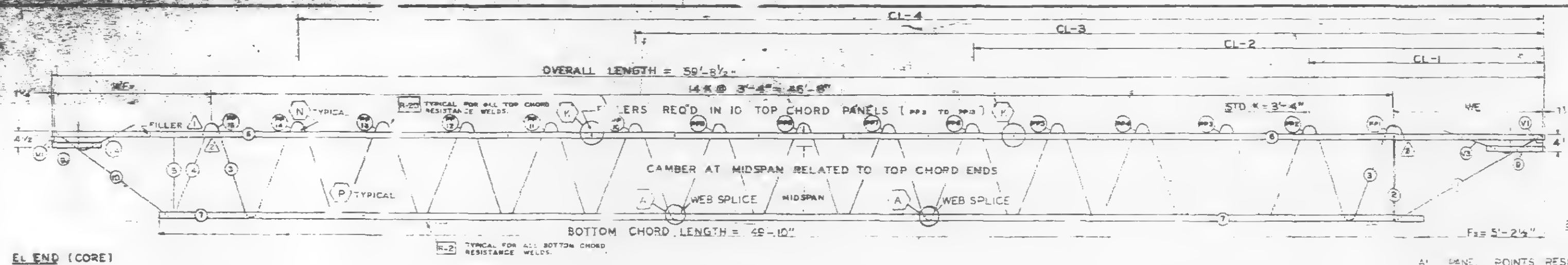
STEEL TRUSS DETAILS FOR WORLD TRADE CENTER - N.Y.C. FDR			
THE PORT OF NEW YORK AUTHORITY FLOOR TRUSS C32TIA 59'-5" OVERALL WORLD TRADE CENTER TOWERS A-B			
FABRICATION BY: LACLEDE STEEL COMPANY			
FABRICATED AT: MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB1-2	PLATE	
APPROVED FOR FABRICATION DATE: 12/1/68	DRAWN BY: L.A.	DATE: FEB. 24, 1968	
APPROVED FOR FABRICATION BY: A.C. WEBER FOR FABRICATOR	CHECKED BY: J.R. PAUL	DATE: FEB. 24, 1968	IN CHARGE OF PROD. DEV.
DATE: 12/1/68	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. ST201A	

TRUSS DESIGNATION	TOP CHORD TWO ANGLES	BOTTOM CHORD TWO ANGLES	MAIN WEB "W"	FILLER "M"	TRUSS DATA
C32TIA-599	6 A242 2"x1 1/2"x.25" 59'-9"	7 A36 3"x2"x.37" 49'-10"	3 A36 1.09 88'-1 1/4" 14 @ 3'-4" = 46'-8"	11 1.09 59'-3 3/4"	

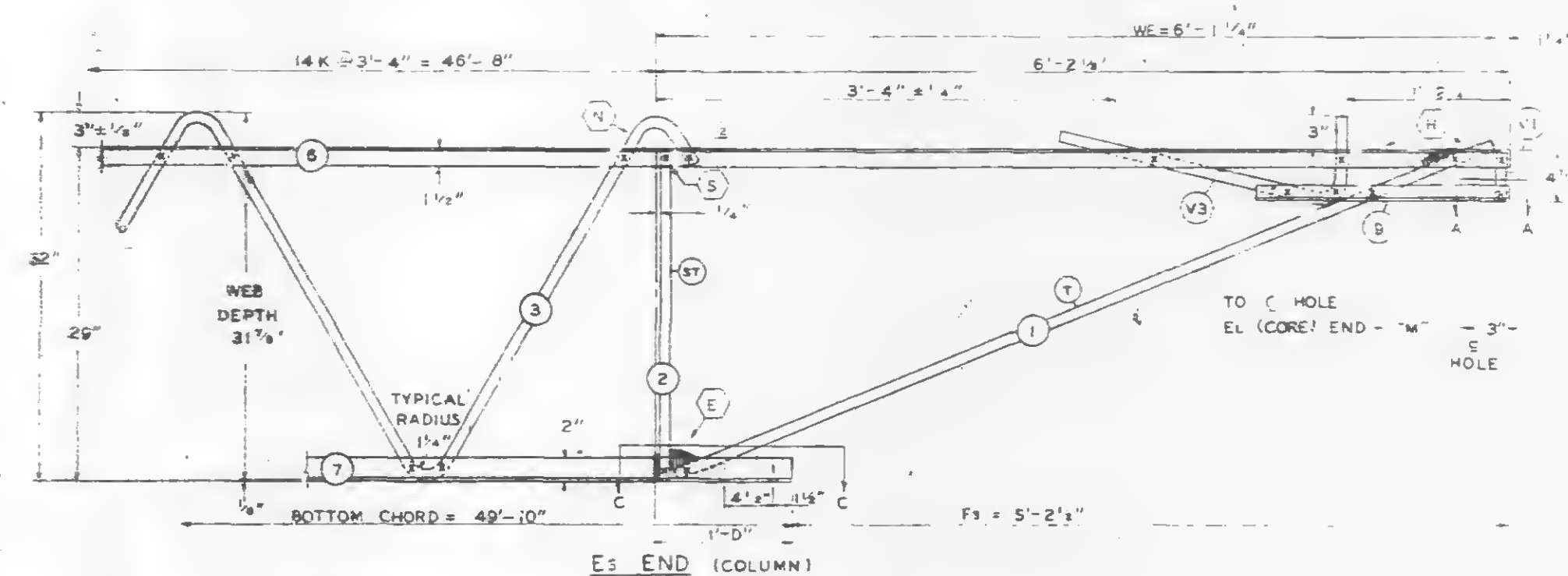
TRUSS DESIGNATION	BEARING ANGLES	WE	DIAGONAL "T" STRUT	VERTICAL "ST" STRUT	END STIFFENER
C32TIA-599	9 A242 2"x1 1/2"x.25" 1'-10"	6'-1 1/4"	1 A242 1.14 6'-5"	2 A36 1.09 2'-4 1/8"	A242 1.14 4'-3 1/8" A242 1.14 2'-9 1/2"

TRUSS DESIGNATION	BEARING ANGLES	WE	DIAGONAL "T" STRUT	VERTICAL "ST" STRUT	END STIFFENER	WEB "WC"	WEB "WT"
C32TIA-599	9 A242 2"x1 1/2"x.25" 1'-7"	6'-9 3/8"	10 A242 1.14 5'-6 1/2"	5 A242 1.14 2'-4 1/8"	A242 1.14 4'-3 1/8" A242 1.14 2'-2 1/2"	1 A242 1.14 2'-10"	1 A242 1.14 2'-10"

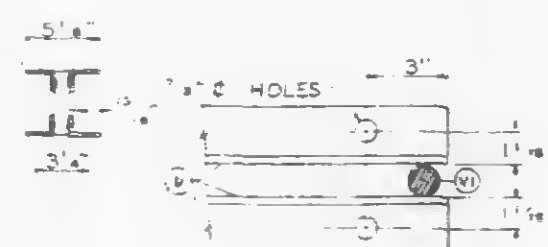
CHECK DIMENSION FOR TRUSS FAB. LOCATION OF TRANS. TRUSS											
CL-1	CL-2	CL-3	CL-4	Fs							
9'-6 1/2"	22'-10 1/4"	36'-2 1/2"	49'-6 1/2"	5'-2 1/4"							



FABRICATED		
DESIGN DEPTH	3'-4"	8"
PANEL "K"	3'-4"	8"
OVERALL LENGTH	59'-8 1/2"	3'-4"
WEB DEPTH	31 1/8"	3'-4"



TRUSS ELEVATION



SECTION A-A

ALL PANEL POINTS RESISTANCE WELDED (R-2).
AFC WE DS INDICATED AT SHADED AREAS
AND AT BOTTOM CHORD WEB SPLICES (M-1).
ALL WELD DETAILS SHOWN ON SHEETS ST290
AND ST291.

SEE SHEET ST295 FOR V1, V2, & V4 DETAILS.
LETTERS IN HEXAGON INDICATE WELD DETAIL (A).
LETTERS AND NUMBERS IN SQUARES INDICATE RE-
SISTANCE WELD STRENGTH IDENTIFIED IN THE
QUALITY CONTROL PROGRAM, i.e., (R-2).

DAMPING UNIT CONNECTION
PLATE ATTACHED TO BOTTOM
CHORD (COL END) IN FIELD
ASSEMBLY BY CONTRACT WTC 22900.

NO.	DATE	REVISION
1	12-11-65	AS NOTED
2	3-19-68	FILLER AND WELD DETAIL

REF	DRWGS.	7-AB-2	7-22-68
1	7-AB-52	2-1-68	
2	7-AB-50	8-1-68	
3	7-AB-52	5-3-68	
4	7-AB-50.5	10-20-67	
5	7-AB-53	7-22-68	

PAINT
LACLEDE ELECTROCOAT
RED NO. 10001

STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER - NYC
FOR
THE PORT OF NEW YORK AUTHORITY
FLOOR TRUSS C32TB 59'-8 1/2" OVERALL
WORLD TRADE CENTER TOWERS A-B

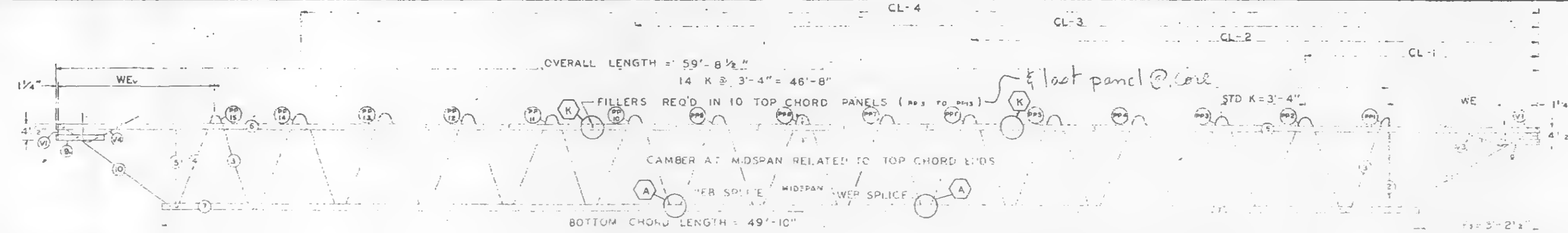
FABRICATED BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB-52	7-AB-52	PLATE
APPROVED FOR FABRICATION DATE 10/1/68 FOR P.D.M.A.	DRAWN BY J.A.	CHECKED BY J.A.	DATE 10/1/68
APPROVED FOR FABRICATION DATE 10/1/68 FOR FABRICATOR	DESIGNED BY J.A.	CHECKED BY J.A.	DATE 10/1/68
DETAILS LACLEDE CO.	FABRICATION CONT. NO. W.T.C. 221		

TRUSS DESIGNATION	TOP CHORD TWO ANGLES	BOTTOM CHORD TWO ANGLES	MAIN WEB "W"	FILLER "M"	TRUSS DATA
C32TB-598.5	6 A242 2"x1 1/4"x.25" 59'-8 1/2"	7 A36 3"x2"x.37" 49'-10"	3 A36 1D9 86'-1 1/2"	14 @ 3'-4" = 46'-8"	11 11.09 59'-8 1/2"

TRUSS DESIGNATION	BEARING ANGLES	WE	DIAGONAL "T" STRUT	VERTICAL "ST" STRUT	END STIFFENER
C32TB-598.5	9 A242 2"x1 1/4"x.25" 1'-10"	6'-11 1/4"	1 A242 1 1/4" 6'-5"	2 A36 1D9 2'-4 3/8"	A242 1 1/4" 4'-9 1/4"

CHECK DIMENSION FOR TRUSS FAB
LOCATION OF TRANS TRUSS
CL-1 CL-2 CL-3 CL-4 Fc
2'-6 3/4" 22'-10 3/4" 36'-2 1/2" 49'-5 1/4" 5'-2 1/2"

TRUSS DESIGNATION	BEARING ANGLES	WE	DIAGONAL "T" STRUT	VERTICAL "ST" STRUT	END STIFFENER	WEB "WC"	WEB "WT"
C32TB-598.5	9 A242 2"x1 1/4"x.25" 1'-10"	6'-8 1/4"	1 A242 1 1/4" 5'-6 1/4"	2 A242 1 1/4" 2'-4 3/8"	A242 1 1/4" 4'-9 1/4"	1 A242 1 1/4" 2'-2 1/2"	4 A242 1 1/4" 2'-2 1/2"



FABRICATION REQUIREMENTS		
	DESIGN	TOLERANCE
CAMBER AT MIDSPAN	1"	± 5/8"
DESIGN DEPTH	20"	± 1/4"
PANEL "K"	3'	± 1/4"
OVERALL LENGTH	59'-8 1/2"	± 3/8"
WEB DEPTH	31'-7 1/8"	± 1/4"

EL END (CORE)

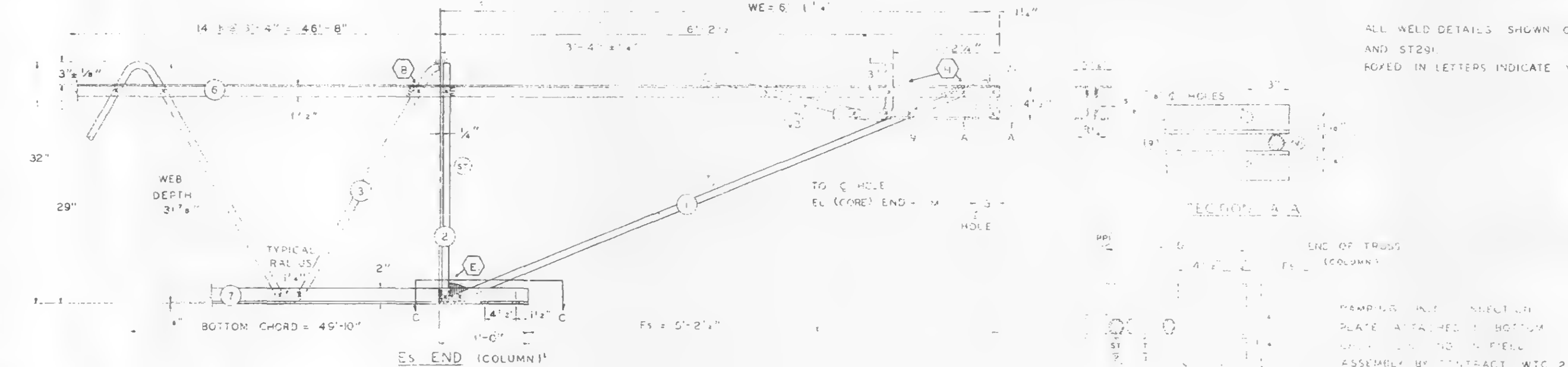
TRUSS ELEVATION

ALL PANEL POINTS RESISTANCE WELDED (W).

ARC WELDS INDICATED AT SHADED AREAS

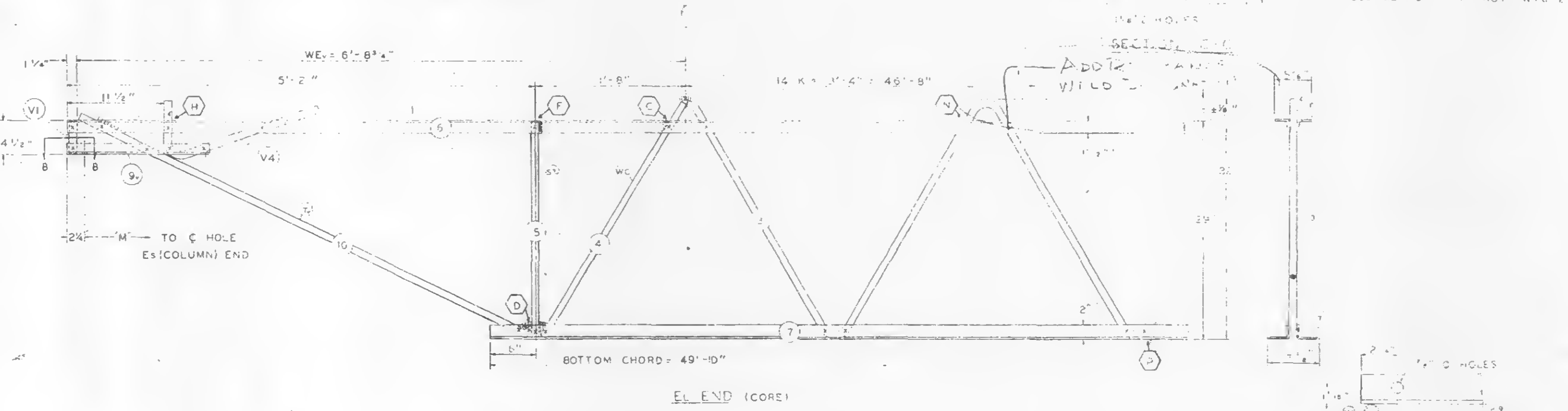
AND A. BOTTOM CHORD (B) SPICES

ES END (COLUMN)



ALL WELD DETAILS SHOWN ON SHEETS ST290 AND ST291.

BOXED IN LETTERS INDICATE WELD DETAIL (A).



TRUSS DESIGNATION	TOP CHORD TWO ANGLES	BOTTOM CHORD TWO ANGLES	MAIN WEB "W"	FILLER "M"	TRUSS DATA
	MK TYPE CHORD SIZE LENGTH	MK TYPE CHORD SIZE LENGTH	MK TYPE DIA LENGTH NO OF K	NO DIA	
C32T18-59B.5	A242 2"x1 1/2" x 25 59'-8 1/2"	A36 3"x2" x 37 49'-10"	A36 109 87'-2 1/2" 14 @ 3'-4" = 46'-8"	10 1.09 59'-3 1/4"	

TRUSS DESIGNATION	BEARING ANGLES	WE	DIAGONAL "D" STRUT	VERTICAL "V" STRUT	END STIFFENER
	MK TYPE CHORD SIZE LENGTH	MK TYPE CHORD SIZE LENGTH	MK TYPE DIA LENGTH	MK TYPE DIA LENGTH	MK TYPE DIA LENGTH
C32T18-59B.5	A242 2"x1 1/2" x 25 1'-10"	6'-1 1/4"	A242 114 5'-6 1/2"	2 A36 109 2'-7 3/8"	A242 114 4'-3 1/2" A 14'-9 1/2"

TRUSS DESIGNATION	BEARING ANGLES	WE	DIAGONAL "D" STRUT	VERTICAL "V" STRUT	END STIFFENER	WEB "W"	WEB "WT"
	MK TYPE CHORD SIZE LENGTH	MK TYPE CHORD SIZE LENGTH	MK TYPE DIA LENGTH	MK TYPE DIA LENGTH	MK TYPE DIA LENGTH	MK TYPE DIA LENGTH	MK TYPE DIA LENGTH
C32T18-59B.5	A242 2"x1 1/2" x 25 1'-6"	6'-8 1/4"	A242 114 5'-6 1/2"	5 A242 114 2'-4 3/4"	A242 114 4'-3 1/2"	A242 114 2'-2 1/2" 4	A242 114 3'-0 1/2"

CHECK DIMENSION FOR TRUSS FAB LOCATION ON TRANS TRUSS

CL-1 CL-2 CL-3 CL-4 CL-5 CL-6 CL-7 CL-8 CL-9 CL-10 CL-11 CL-12 CL-13 CL-14 CL-15 CL-16 CL-17 CL-18 CL-19 CL-20 CL-21 CL-22 CL-23 CL-24 CL-25 CL-26 CL-27 CL-28 CL-29 CL-30 CL-31 CL-32 CL-33 CL-34 CL-35 CL-36 CL-37 CL-38 CL-39 CL-40 CL-41 CL-42 CL-43 CL-44 CL-45 CL-46 CL-47 CL-48 CL-49 CL-50 CL-51 CL-52 CL-53 CL-54 CL-55 CL-56 CL-57 CL-58 CL-59 CL-60 CL-61 CL-62 CL-63 CL-64 CL-65 CL-66 CL-67 CL-68 CL-69 CL-70 CL-71 CL-72 CL-73 CL-74 CL-75 CL-76 CL-77 CL-78 CL-79 CL-80 CL-81 CL-82 CL-83 CL-84 CL-85 CL-86 CL-87 CL-88 CL-89 CL-90 CL-91 CL-92 CL-93 CL-94 CL-95 CL-96 CL-97 CL-98 CL-99 CL-100

SECTION B.B

REF	DRWGS.	
7-A81-2	2-15-66	
7-A81-52	2-15-66	
7-A81-53	1-3-68	
7-A84-50 & 50.2	10-20-67	
7-A83-2	1-3-68	
7-A84-50.5	10-20-67	

PAINT

LACLEDE ELECTROCOAT

RED NO 10DD1

STEEL TRUSS DETAILS

FOR

WORLD TRADE CENTER - NYC

FOR

THE PORT OF NEW YORK AUTHORITY

FLOOR TRUSS C32T18-59'-8 1/2" OVERALL

WORLD TRADE CENTER TOWERS A-B

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-A81-2 7-A83-2 PLATE

APPROVED FOR FABRICATION DATE DATE: FEB. 24, 1968

CHECKED BY J.R. PAUL IN CHARGE OF PROD. DEV.

FABRICATION CONT. NO. W.T.C. 221 SHEET NO ST201B

WCI = 131.2.

900 — 999

is missing.